Machine Assisted Thought

Michael J. Kurtz
Harvard-Smithsonian
Center for Astrophysics

Collaborators

Alberto Accomazzi

Edwin Henneken

Jay Luker

Giovanni DiMilla

Carolyn Grant

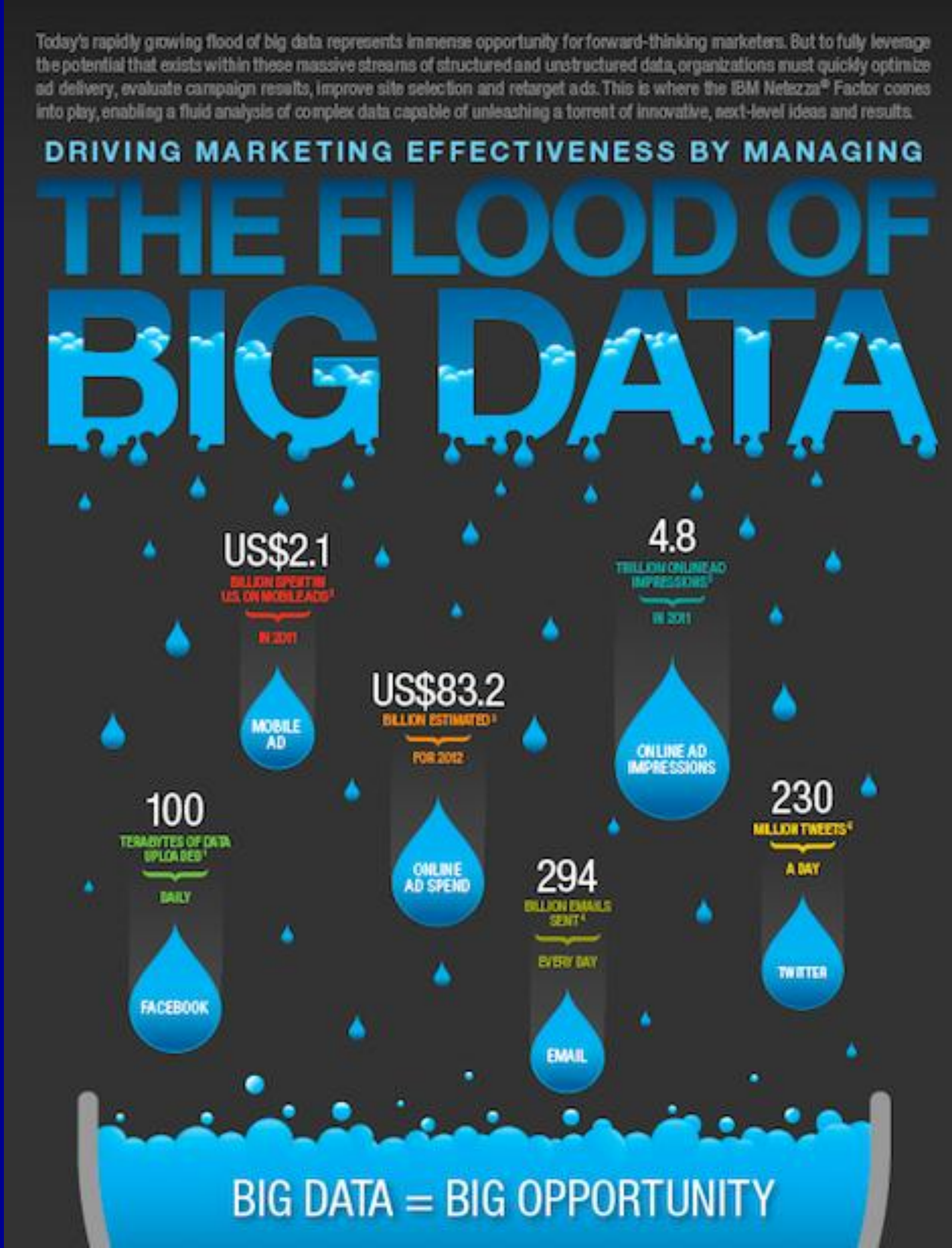
Force11.org

Lee Dirks

Three Papers

- 2012arXiv1209.1318K
  - **Finding and Recommending Scholarly Articles**
- 2011ApSSP...1...23K
  - **The Emerging Scholarly Brain**
- 1993ASSL..182...21K
  - **Advice from the Oracle: Really Intelligent Information Retrieval**

Numbers

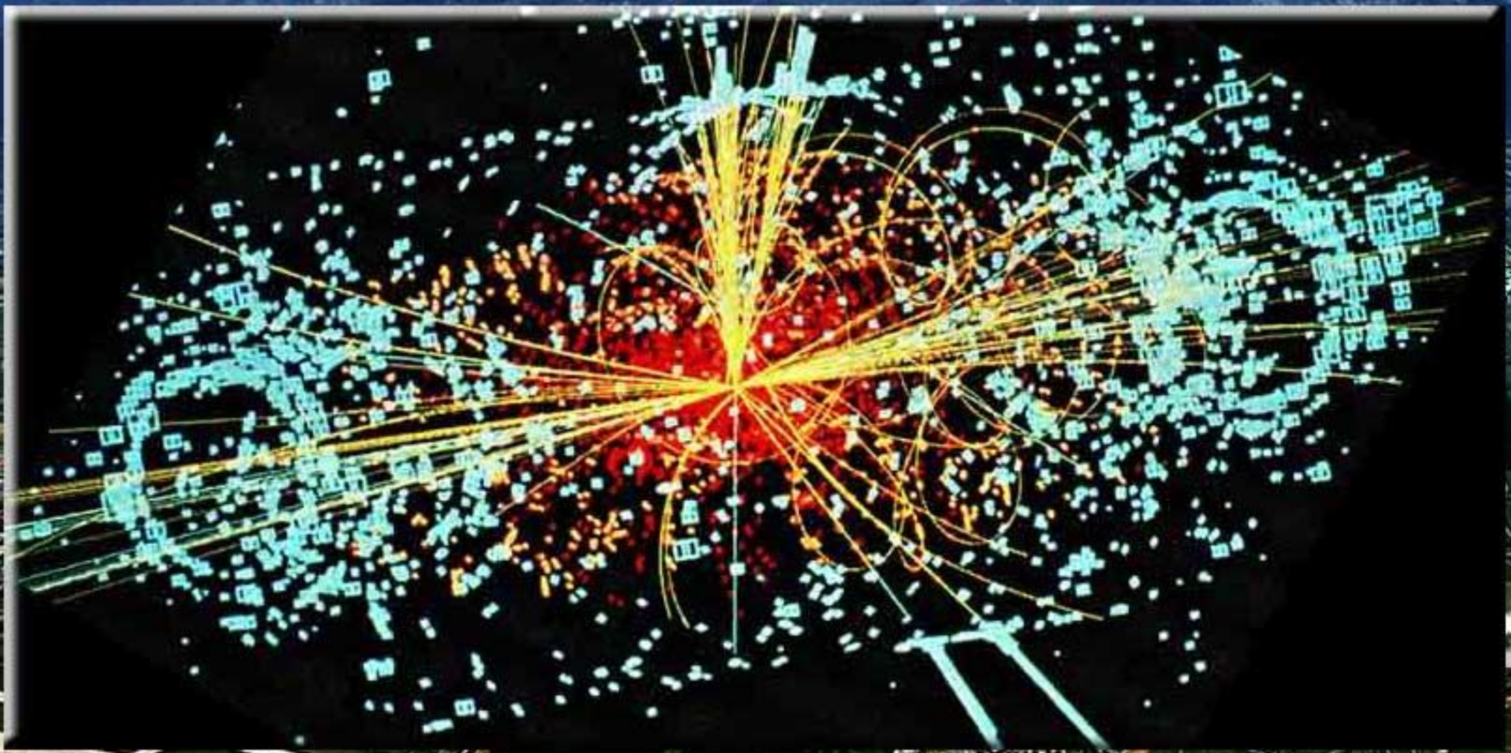

Today's rapidly growing flood of big data represents immense opportunity for forward-thinking marketers. But to fully leverage the potential that exists within these massive streams of structured and unstructured data, organizations must quickly optimize ad delivery, evaluate campaign results, improve site selection and retarget ads. This is where the IBM Netezza® Factor comes into play, enabling a fluid analysis of complex data capable of unleashing a torrent of innovative, next-level ideas and results.
DRIVING MARKETING EFFECTIVENESS BY MANAGING
THE FLOOD OF BIG DATA
US$2.1
BILLION SPENT IN U.S. ON MOBILE ADS
IN 2011
MOBILE AD
4.8
TRILLION ONLINE AD IMPRESSIONS
IN 2011
ONLINE AD IMPRESSIONS
US$83.2
BILLION ESTIMATED
FOR 2012
ONLINE AD SPEND
100
TERABYTES OF DATA UPLOADED
DAILY
FACEBOOK
294
BILLION EMAILS SENT
EVERY DAY
EMAIL
230
MILLION TWEETS
A DAY
TWITTER
BIG DATA = BIG OPPORTUNITY

LHC: The Large Hadron Collider

CMS -- Le "Compact Muon Solenoid"

Cette image montre une collision simulée d'une collision du CMS. Le centre de l'image montre où les protons sont entres en collision et l'énergie résultante d'annihilation produit des jets de nouvelles particules qui peuvent se déplacer dans le détecteur.

L'image est une de celles que nous espérons voir quand CMS sera en fonction: elle met en évidence le boson de Higgs, la particule qui confère une masse a toutes les autres particules et que le LHC devrait pouvoir détecteur.



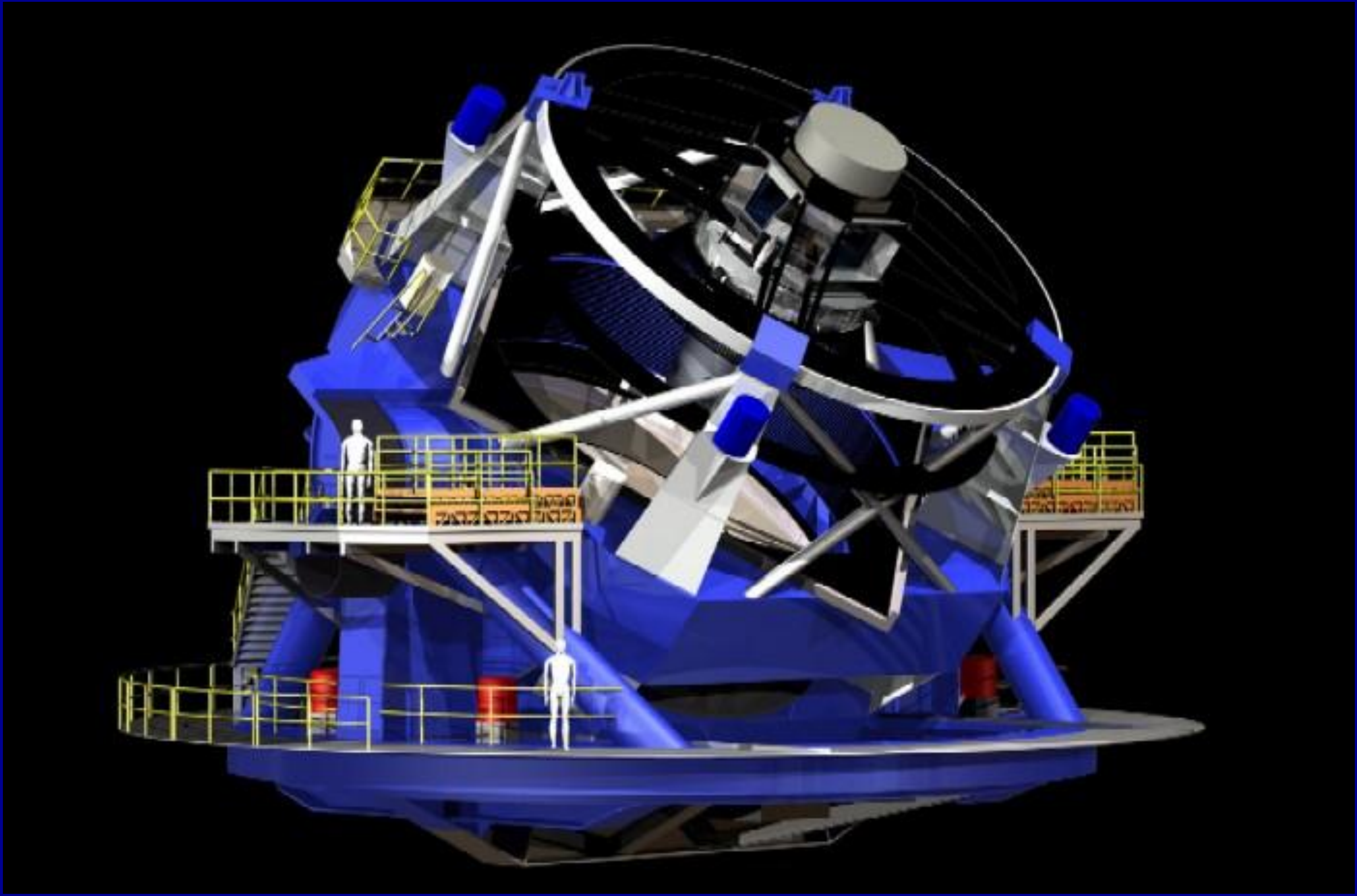
SPS Ring

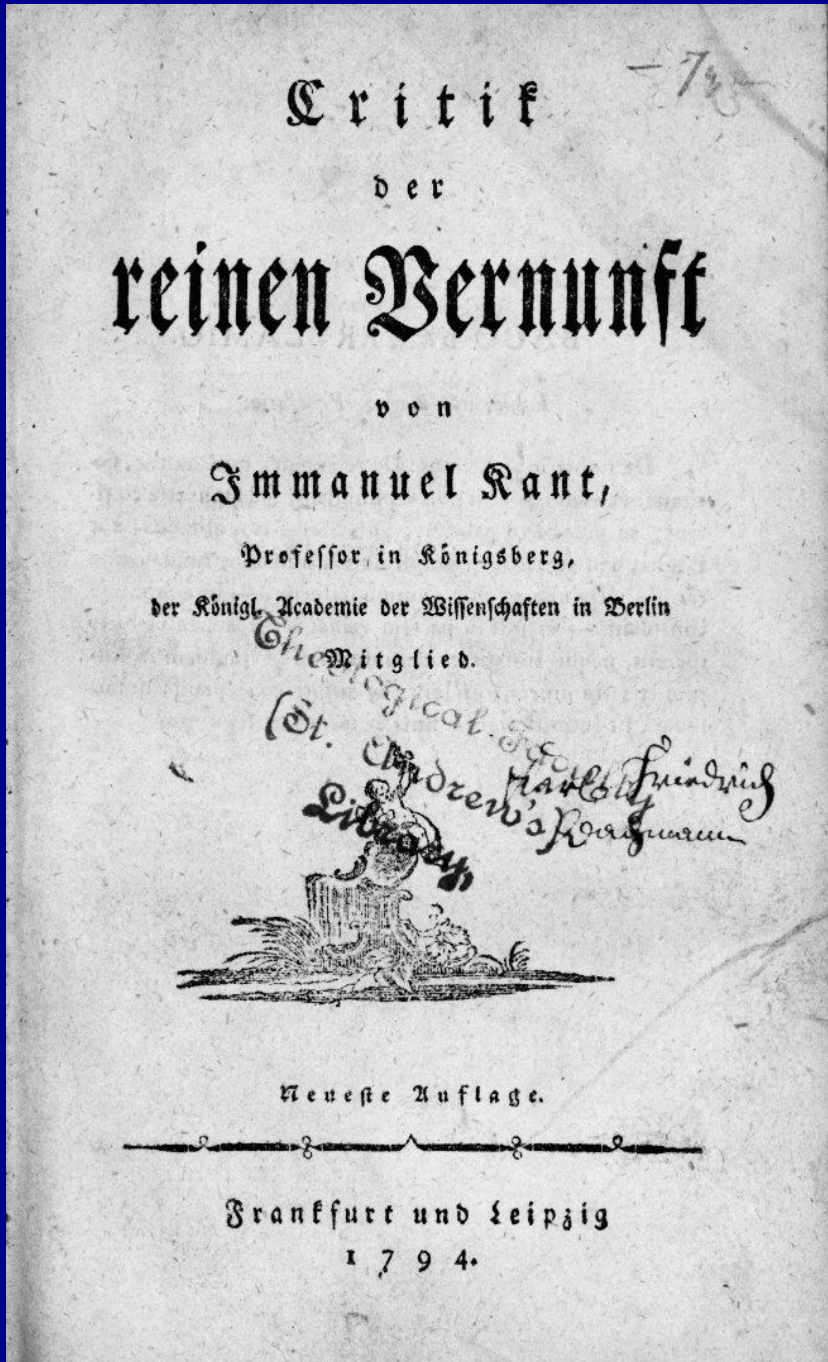
LHC Ring

CMS

Détecteur CMS: Récupération des données

1: CMS, 2: ATLAS, 3: LHCb, 4: ALICE



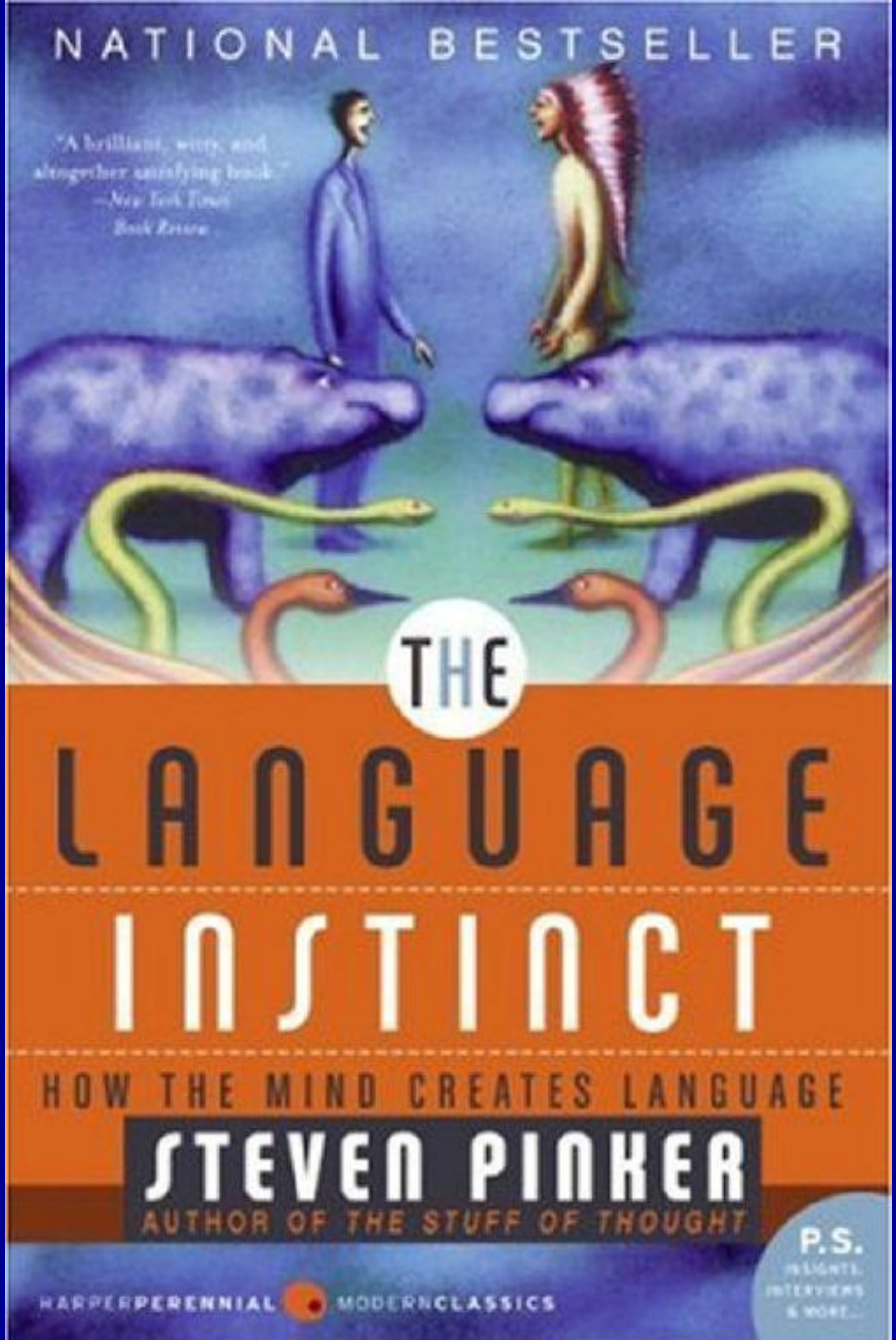

Critik
der
reinen Vernunft
von
Immanuel Kant,
Professor in Königsberg,
der Königl. Academie der Wissenschaften in Berlin
Mitglied.

Neueste Auflage.

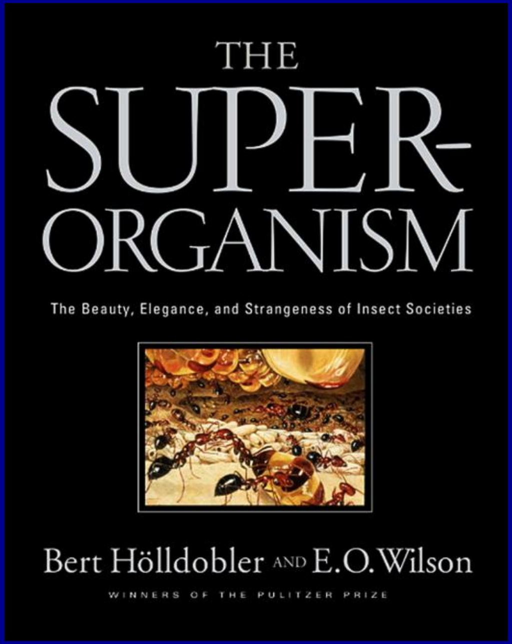
Frankfurt und Leipzig
1794.

Conceive
Perceive

Words


NATIONAL BESTSELLER
THE
LANGUAGE
INSTINCT
HOW THE MIND CREATES LANGUAGE
STEVEN PINKER
AUTHOR OF THE STUFF OF THOUGHT
P.S.
HARPERPERENNIAL MODERNCLASSICS

Super-organisms



…the highest level of the ant colony is the totality of its membership rather than a particular set of superordinate individuals who direct the activity of members at lower levels.

Höldobler and Wilson (1990)

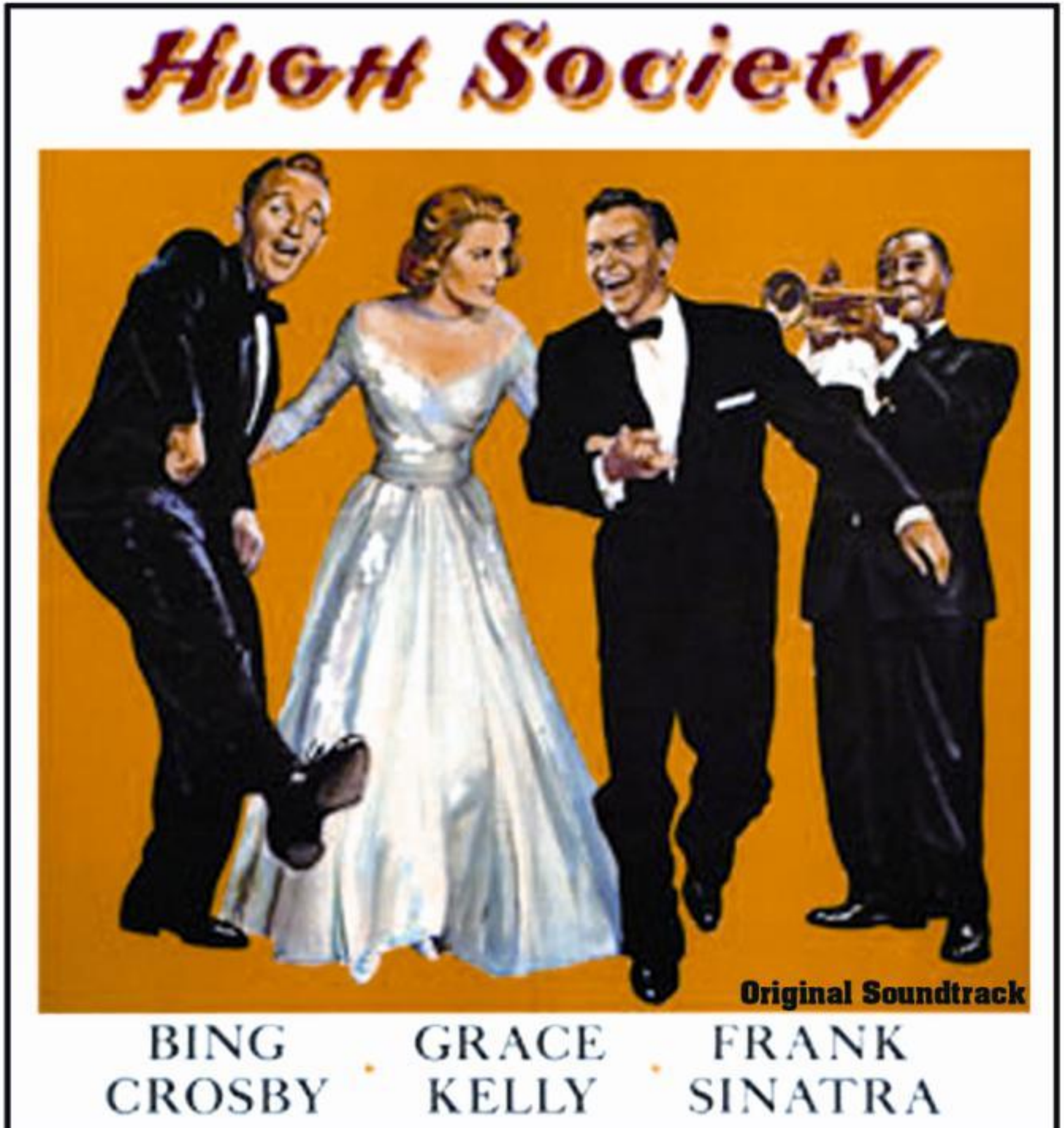

MATT GROENING

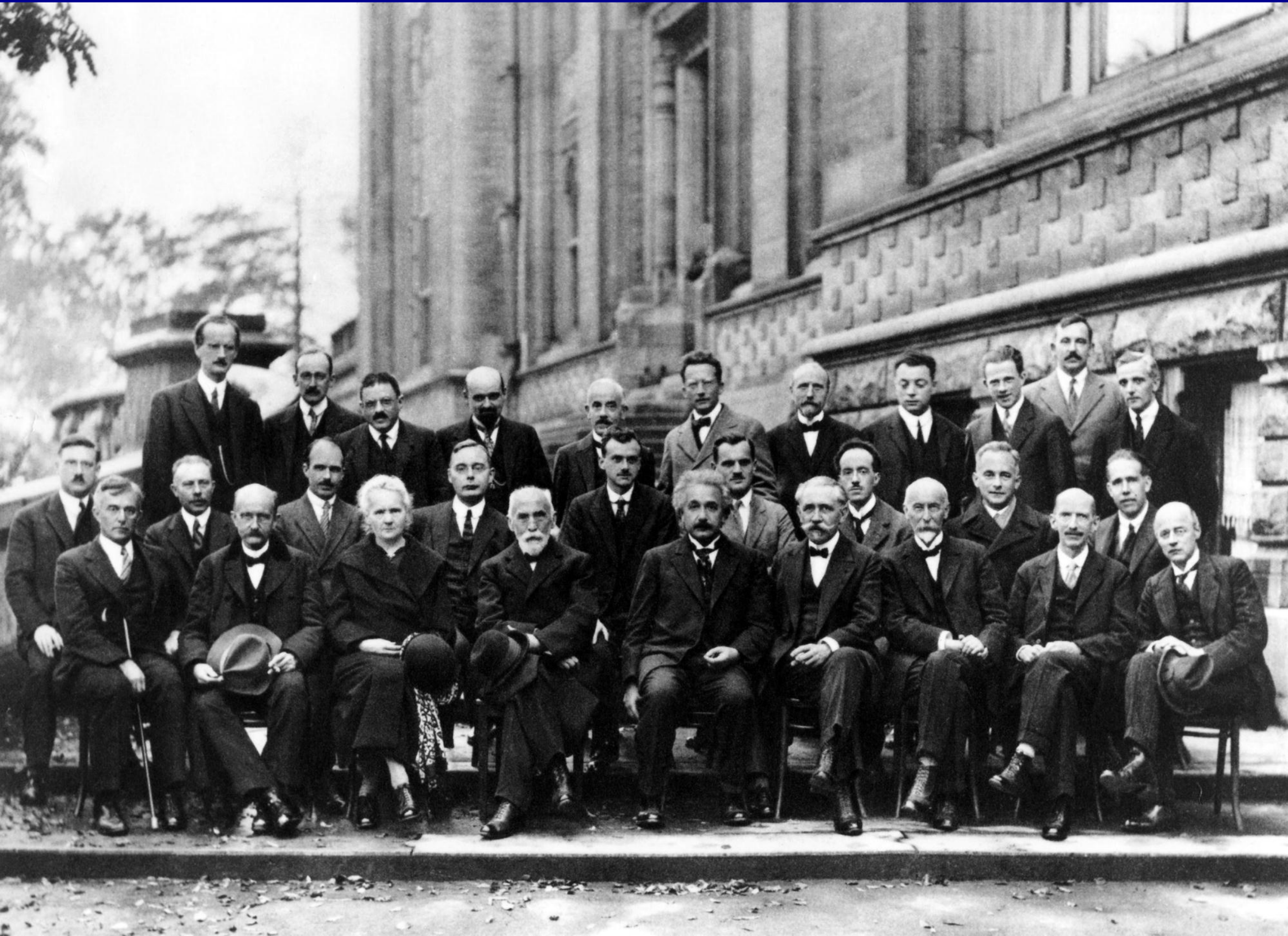
These are termites

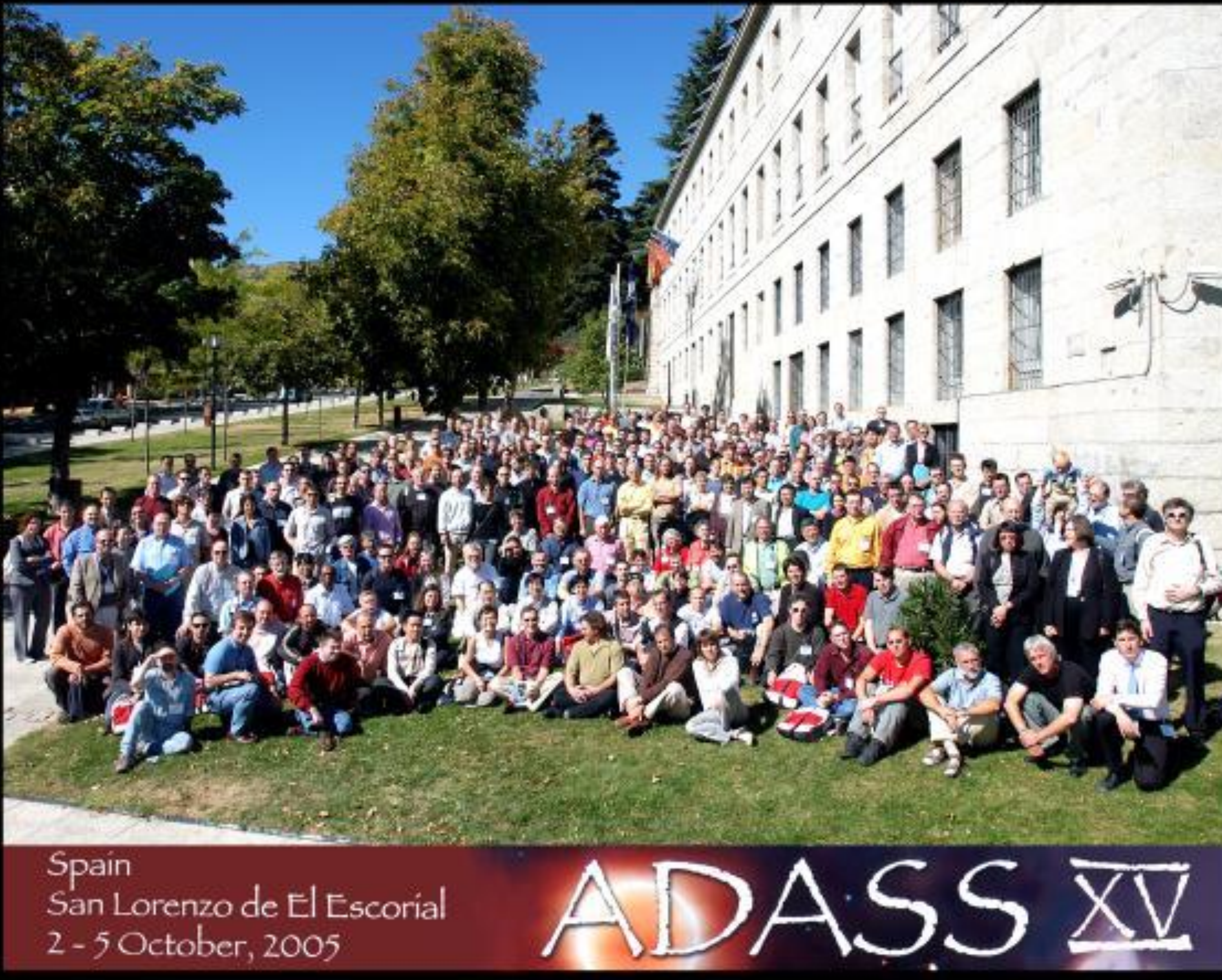
WORKER
Actual size 1/4-inch

SOLDIER
Actual size 5/16-inch

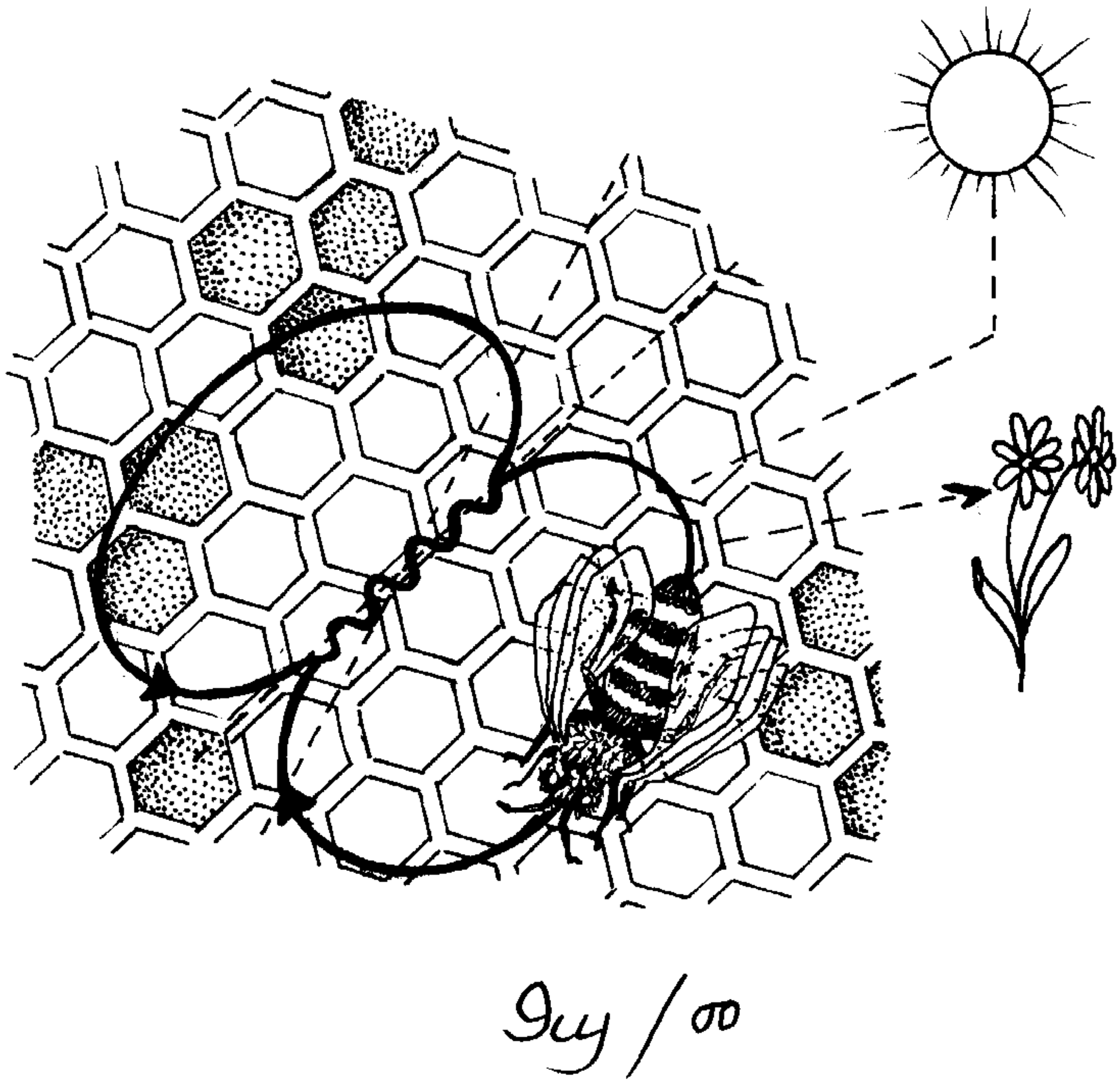
QUEEN
Actual size 1/2-inch


High Society
Original Soundtrack
BING CROSBY
GRACE KELLY
FRANK SINATRA




Spain
San Lorenzo de El Escorial
2 - 5 October, 2005
ADASS XV

Communication



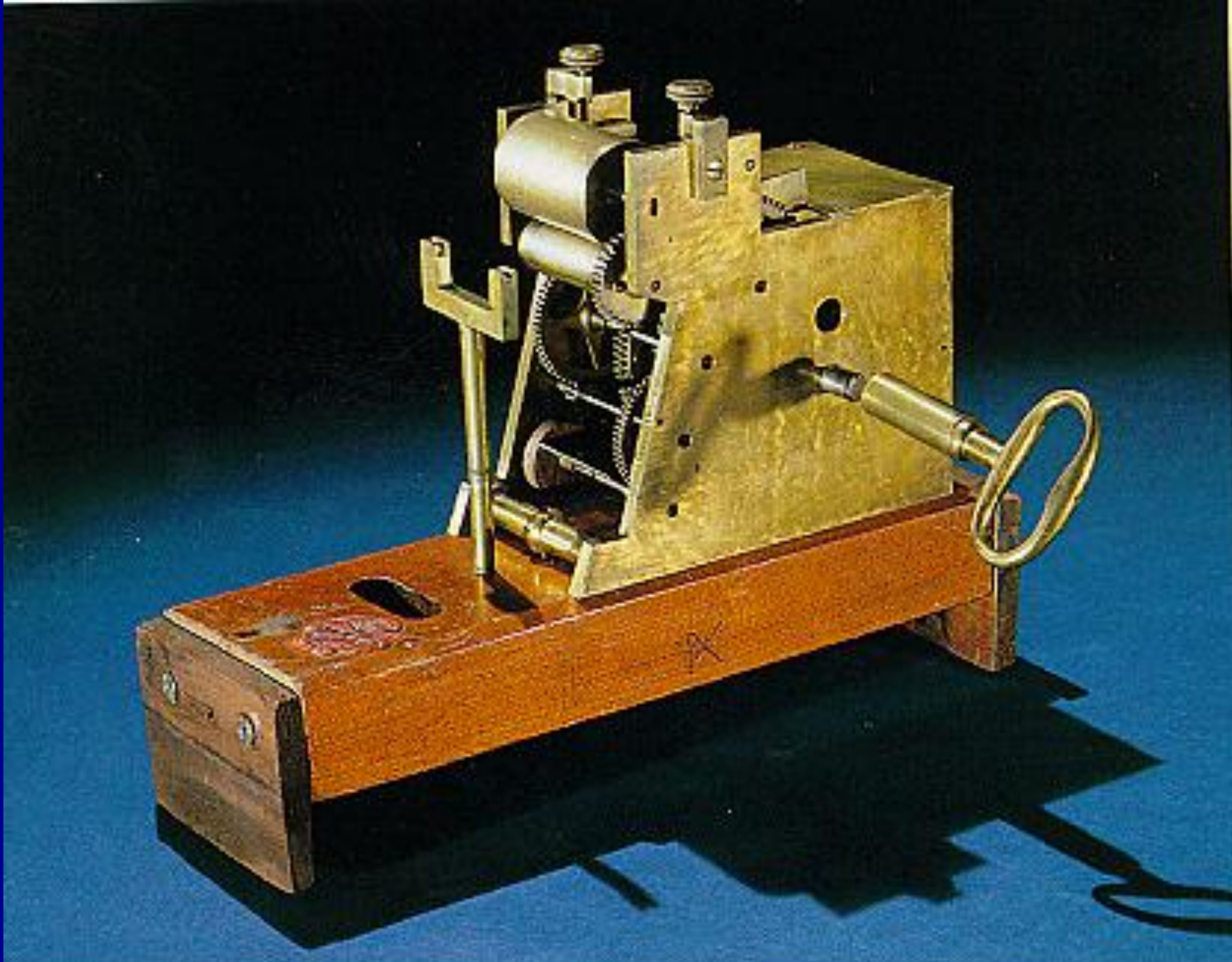
Guy / oo

The system of radiation which embraces the whole planet, and includes the million million brains of the race, becomes the physical basis of a racial self...

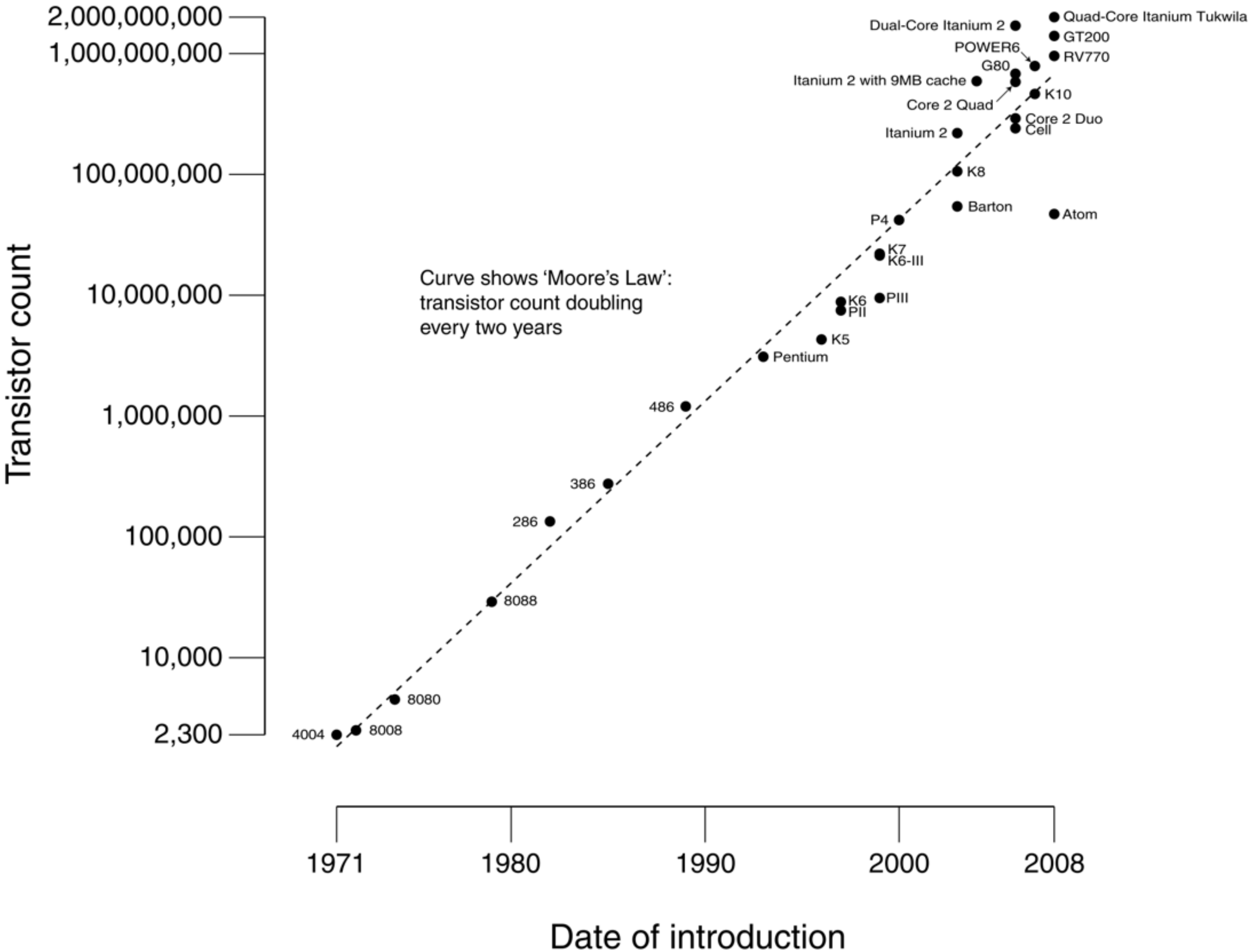
But chiefly the racial mind transcends the minds of groups and individuals in philosophical insight into the true nature of space and time, mind and its objects, cosmical striving and cosmical perfection....

For all the daily business of life, then, each of us is mentally a distinct individual, though his ordinary means of communication with others is "telepathic." But frequently he wakes up to be a group-mind...

Of this obviously, I can tell you nothing, save that it differs from the lowlier state more radically than the infant mind differs from the mind of the individual adult, and that it consists of insight into many unsuspected and previously inconceivable features of the familiar world of men and things.



CPU Transistor Counts 1971-2008 & Moore's Law



"All the News That's Fit to Print"

The New York Times

Late Edition

NEW YORK, TUESDAY, OCTOBER 2, 2012

$2.50

OFFSHORE SET-UPS HELPED ROMNEYS INCREASE WEALTH

FUNDS IN THE CAYMANS

With Bain's Strategies, Taxes Were Reduced and Profits Grew

A Legal Circle Reaches Deep To Aid Obama

Donations by Lawyers for Whistle-Blowers

U.S. Abandoning Hopes for Taliban Peace Deal

SENATE LEADERS SEE PATH TO AVERT MANDATORY CUTS

FACING JAN. 1 DEADLINE

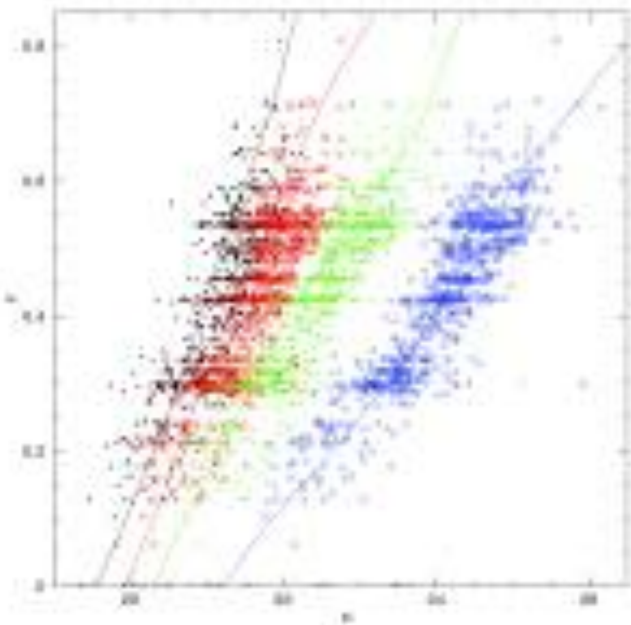
Bipartisan Support for a 3-Step Plan to Avoid the 'Fiscal Cliff'

Saw an Earth at Risk and Let the World Know

THE ASTRONOMICAL JOURNAL

FOUNDED BY B. A. GOULD
1849

VOLUME 134 — October 2007 ~ No. 1822 — NUMBER 4



(See Page [illegible])

Published for the
AMERICAN ASTRONOMICAL SOCIETY
by
THE UNIVERSITY OF CHICAGO PRESS


Ex dono
GULIELMI GRYLLS, A.M.
Hujus Collegii quondam
Discipuli Scholaris.
20
19

ads

Google

kurtz weak gravitational lensing

Google Search | I'm Feeling Lucky

Show me:
the paper by
Dressler, et al. which was
referenced in
the recent paper by
Kurtz, et al. on
weak gravitational lensing

ADS Labs Streamlined Search

Home | Labs Home | ADS Classic | Help | kurtz@cfa.harvard.edu - Sign off

^kurtz weak gravitational lensing — Astronomy — SEARCH

Author First author Title Object Examples

Sort by

- Most recent
- Most relevant
- Most cited
- Most popular

Explore the field

- What people are reading
- What experts are citing
- Reviews and introductory papers

Return top 200 results.

myADS | Recommended | Recently read

2012arXiv1210.0899L: Livermore, R. C.: Observational limits on the gas mass of a z=4.9 galaxy
2012arXiv1210.0905C: Crighton, N. H. M.: A high molecular fraction in a sub-damped absorber at z=0.56
2012arXiv1210.1020C: Cassano, R.: Radio Halos in future surveys in the radio continuum
2012arXiv1210.1203J: Johnston, R.: Reconstructing gravity beyond the local universe with peculiar velocities
2012arXiv1210.0972K: Koyama, Y.: Massive starburst galaxies in a z=2.16 proto-cluster unveiled by panoramic H-alpha mapping
2012arXiv1210.1035M: Magdis, G. E.: The Evolving Interstellar Medium of Star Forming Galaxies Since z=2 as Probed by Their Infrared Spectral Energy Distributions
2012arXiv1210.0903H: Hopkins, P. F.: A General Theory of Turbulent Fragmentation
2012arXiv1210.0900T: Tulin, S.: Resonant Dark Forces and Small Scale Structure
2012arXiv1210.1118G: Godon, P.: An Online Catalog of Cataclysmic Variable Spectra from the Far Ultraviolet Spectroscopic Explorer
2012arXiv1210.1151P: Paredes-Fortuny, X.: Optical photometric monitoring of gamma-ray binaries

The ADS is operated by the Smithsonian Astrophysical Observatory under NASA Grant NNX12AG54G
Contact: ads at cfa.harvard.edu or through the feedback form.

^kurtz weak gravitational lensing - *Most recent* ***1 results*** More

NO FILTERS APPLIED

FILTER BY:

Authors

- Dell'Antonio, I (1)
- Fabricant, D (1)
- Geller, M (1)
- Kurtz, M (1)
- Miyazaki, S (1)

Keywords

Data

SIMBAD Objects

Vizier Tables

Refereed status

Dates

from 2012 to 2012

1. 2012ApJ...750..168K Cited by 3 [E F L X R C S U]
Testing Weak-lensing Maps with Redshift Surveys: A Subaru Field
Kurtz, Michael J.; Geller, Margaret J.; Utsumi, Yousuke; Miyazaki, Satoshi; *and 2 coauthors*

ADS Labs
Streamlined Search

Home | Labs Home | ADS Classic | Help | kurtz@cfa.harvard.edu - Sign off

2012ApJ...750..168K

More

Abstract | References (51) | Citations (3) | Co-reads | Similar Articles

Testing Weak-lensing Maps with Redshift Surveys: A Subaru Field

Kurtz, Michael J.; Geller, Margaret J.; Utsumi, Yousuke; Miyazaki, Satoshi; Dell'Antonio, Ian P.; Fabricant, Daniel G.

show affiliations

The Astrophysical Journal, Volume 750, Issue 2, article id. 168 (2012).
Published in May 2012

***DOI:* 10.1088/0004-637X/750/2/168**

We use a dense redshift survey in the foreground of the Subaru GTO2deg2 weak-lensing field (centered at α2000 = 16h04m44s; δ2000 = 43°11'24") to assess the completeness and comment on the purity of massive halo identification in the weak-lensing map. The redshift survey (published here) includes 4541 galaxies; 4405 are new redshifts measured with the Hectospec on the MMT. Among the weak-lensing peaks with a signal-to-noise greater than 4.25, 2/3 correspond to individual massive systems; this result is essentially identical to the Geller et al. test of the Deep Lens Survey (DLS) field F2. The Subaru map, based on images in substantially better seeing than the DLS, enables detection of less massive halos at fixed redshift as expected. We demonstrate that the procedure adopted by Miyazaki et al. for removing some contaminated peaks from the weak-lensing map improves agreement between the lensing map and the redshift survey in the identification of candidate massive systems.

Keywords:
Astronomy: *cosmology: observations, galaxies: clusters: general, galaxies: distances and redshifts, gravitational lensing: weak, large-scale structure of Universe*

***arXiv:* arXiv:1102.5743**

Full Text Sources
- Publisher article
- Publisher PDF
- arXiv eprint
- FIND IT @ HARVARD

Data Products
- SIMBAD objects (8)

Suggested Articles
- 2009ApJ...702..603A Abate,+: Shear-selected Clusters from the Deep Lens Survey. III. Masses from Weak Lensing
- 2009ApJ...702..980K Kubo,+: Dark Matter Structures in the Deep Lens Survey
- 2007ApJ...668..643L Limousin,+: Combining Strong and Weak Gravitational Lensing in Abell 1689
- 2010ApJ...715..743K Kelly,+: Hubble Residuals of Nearby Type Ia Supernovae are Correlated with Host Galaxy Masses
- 2011arXiv1110.1377K Kelly,+: Core-Collapse Supernovae and Host Galaxy Stellar Populations
- 2011A&ARv..19...47K Kneib,+: Cluster lenses
- 1997ApJ...490..493N Navarro,+: A Universal Density Profile from Hierarchical Clustering

ads labs

ADS Labs Streamlined Search

Home | Labs Home | ADS Classic | Help | kurtz@cfa.harvard.edu - Sign off

2012ApJ...750..168K

More

Abstract | References (51) | Citations (3) | Co-reads | Similar Articles

References in article 2012ApJ...750..168K

1. 1958ApJS....3..211A Cited by 1503 [F G D R C S N U]
The Distribution of Rich Clusters of Galaxies.
Abell, George O.

2. 2008ApJS..175..297A Cited by 811 [E F X D R C S U]
The Sixth Data Release of the Sloan Digital Sky Survey
Adelman-McCarthy, Jennifer K.; Agüeros, Marcel A.; Allam, Sahar S.; Allende Prieto, Carlos; *and 159 coauthors*

3. 2011MNRAS.413.1145B Cited by 5 [E F L X D R C S U]
Optimal filtering of optical and weak lensing data to search for galaxy clusters: application to the COSMOS field
Bellagamba, F.; Maturi, M.; Hamana, T.; Meneghetti, M.; *and 2 coauthors*

4. 2008MNRAS.385..695B Cited by 32 [E F G X D R C S N U]
Combined analysis of weak lensing and X-ray blind surveys
Bergé, Joel; Pacaud, Florian; Réfrégier, Alexandre; Massey, Richard; *and 6 coauthors*

5. 2000AJ....120.2747C Cited by 150 [E F X D R C S N U]
WFPC2 Observations of the Hubble Deep Field South
Casertano, Stefano; de Mello, Duília; Dickinson, Mark; Ferguson, Henry C.; *and 13 coauthors*

6. 2005NewA...10..676D Cited by 26 [E L X R C U]
Using weak lensing to find halo masses
de Putter, Roland; White, Martin

7. 2007A&A...470..821D Cited by 26 [E F X D R C S N U]
BLOX: the Bonn lensing, optical, and X-ray selected galaxy clusters. I. Cluster catalog construction
Dietrich, J. P.; Erben, T.; Lamer, G.; Schneider, P.; *and 3 coauthors*

8. 1999ApJS..122...51D Cited by 366 [E F X D R C S N U]
A Spectroscopic Catalog of 10 Distant Rich Clusters of Galaxies
Dressler, Alan; Smail, Ian; Poggianti, Bianca M.; Butcher, Harvey; *and 3 coauthors*

9. 2005PASP..117.1411F Cited by 114 [E X R C S U]
Hectospec, the MMT's 300 Optical Fiber-Fed Spectrograph

1999ApJS..122...51D

A Spectroscopic Catalog of 10 Distant Rich Clusters of Galaxies

Dressler, Alan; Smail, Ian; Poggianti, Bianca M.; Butcher, Harvey; Couch, Warrick J.; Ellis, Richard S.; Oemler, Augustus, Jr.

The Astrophysical Journal Supplement Series, Volume 122, Issue 1, pp. 51-80.
Published in May 1999

***DOI:** 10.1086/313213*

We present spectroscopic observations of galaxies in the fields of 10 distant clusters for which we have previously presented deep imaging with WFPC2 on board the Hubble Space Telescope. The clusters span the redshift range z=0.37-0.56 and are the subject of a detailed ground- and space-based study to investigate the evolution of galaxies as a function of environment and epoch. The data presented here include positions, photometry, redshifts, spectral line strengths, and classifications for 657 galaxies in the fields of the 10 clusters. The catalog is composed of 424 cluster members across the 10 clusters and 233 field galaxies, with detailed morphological information from our WFPC2 images for 204 of the cluster galaxies and 71 in the field. We illustrate some basic properties of the catalog, including correlations between the morphological and spectral properties of our large sample of cluster galaxies. A direct comparison of the spectral properties of the high-redshift cluster and field populations suggests that the phenomenon of strong Balmer lines in otherwise passive galaxies (commonly called E+A but renamed here as the k+a class) shows an order-of-magnitude increase in the rich cluster environment compared with a more modest increase in the field population. This suggests that the process or processes involved in producing k+a galaxies are either substantially more effective in the cluster environment or that this environment prolongs the visibility of this phase. A more detailed analysis and modeling of these data is presented in Poggianti et al.

Keywords:
Astronomy: GALAXIES: CLUSTERS: GENERAL, GALAXIES: DISTANCES AND REDSHIFTS

THE ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES, 122:51–80, 1999 May

A SPECTROSCOPIC CATALOG OF 10 DISTANT RICH CLUSTERS OF GALAXIES

ALAN DRESSLER,[1] IAN SMAIL,[2,3] BIANCA M. POGGIANTI,[4,5,6] HARVEY BUTCHER,[7]
WARRICK J. COUCH,[8] RICHARD S. ELLIS,[4] AND AUGUSTUS OEMLER, JR.[1]
Received 1998 June 12; accepted 1998 December 21

ABSTRACT

We present spectroscopic observations of galaxies in the fields of 10 distant clusters for which we have previously presented deep imaging with WFPC2 on board the *Hubble Space Telescope*. The clusters span the redshift range $z = 0.37$–0.56 and are the subject of a detailed ground- and space-based study to investigate the evolution of galaxies as a function of environment and epoch. The data presented here include positions, photometry, redshifts, spectral line strengths, and classifications for 657 galaxies in the fields of the 10 clusters. The catalog is composed of 424 cluster members across the 10 clusters and 233 field galaxies, with detailed morphological information from our WFPC2 images for 204 of the cluster galaxies and 71 in the field. We illustrate some basic properties of the catalog, including correlations between the morphological and spectral properties of our large sample of cluster galaxies. A direct comparison of the spectral properties of the high-redshift cluster and field populations suggests that the phenomenon of strong Balmer lines in otherwise passive galaxies (commonly called E + A but renamed here as the k + a class) shows an order-of-magnitude increase in the rich cluster environment compared with a more modest increase in the field population. This suggests that the process or processes involved in producing k + a galaxies are either substantially more effective in the cluster environment or that this environment prolongs the visibility of this phase. A more detailed analysis and modeling of these data is presented in Poggianti et al.

Subject headings: galaxies: clusters: general — galaxies: distances and redshifts — galaxies: evolution — galaxies: photometry

1. INTRODUCTION

The change with redshift observed in the proportion of star-forming galaxies in the cores of rich clusters was uncovered over 20 years ago, by Butcher & Oemler (1978, 1984), but it remains one of the clearest and most striking examples of galaxy evolution. Considerable effort has gone into acquiring photometric information that would elucidate the physical processes active in distant clusters and their effects on the evolution of both the star-forming (Lavery & Henry 1994; Lubin 1996; Rakos & Schombert 1995; Rakos, Odell, & Schombert 1997) and passive galaxies (Aragón-Salamanca et al. 1993; Stanford, Eisenhardt, & Dickinson 1995, 1998; Smail et al. 1998). Further impetus has been provided by observations of the recent transformation of the S0 population of clusters (Dressler et al. 1997), which may allow a closer connection to be drawn between the galaxy populations of distant clusters and the evolutionary signatures found in their local universe counterparts (Caldwell & Rose 1997; Bothun & Gregg 1990).

However, it was the advent of spectroscopic surveys of the distant cluster populations (e.g., Dressler & Gunn 1983, 1992, hereafter DG92; Couch & Sharples 1987, hereafter CS87; Barger et al. 1996; Abraham et al. 1996; Fisher et al. 1998) that uncovered the real breadth of the changes in galaxies in these environments, including several spectral signatures of evolutionary change, such as evidence for a strong decline in the star formation rates of many cluster galaxies in the recent past. The advent of high–spatial resolution imaging with the *Hubble Space Telescope* (*HST*) provided a further breakthrough, giving morphological information on the galaxies in these distant clusters. This could be used to link the evolution of stellar populations in the galaxies with the evolution of their *structure* in order to understand how the various galaxy types we see in the local universe came to be. Pre- and postrefurbishment *HST* observations by two groups (Couch et al. 1994, 1998; Dressler et al. 1994; Oemler, Dressler, & Butcher 1997) were used in early attempts to correlate spectral evolution with morphological/structural data and to provide some insight into the mechanisms that might be driving the strong evolution in the cluster galaxy population. These two programs were extended from cycle 4 into the "MORPHS" project, which accumulated postrefurbishment WFPC2 images for 11 fields in 10 clusters at $z = 0.37$–0.56, viewed at a time some 2–4 h^{-1} billion yr before the present day.[9] The photometric and morphological galaxy catalogs from these images were presented in Smail et al. (1997a, hereafter S97), while the data have also been used to study the evolution of the early-type galaxies within the clusters, using both color (Ellis et al. 1997) and structural information (Barger et al. 1998), the evolution of the morphology-density relation of

[1] The Observatories of the Carnegie Institution of Washington, 813 Santa Barbara Street, Pasadena, CA 91101-1292.
[2] Department of Physics, University of Durham, South Rd, Durham DH1 3LE, UK.
[3] Visiting Research Associate at the Carnegie Observatories.
[4] Institute of Astronomy, Madingley Road, Cambridge CB3 0HA, UK.
[5] Royal Greenwich Observatory, Madingley Road, Cambridge CB3 0EZ, UK.
[6] Osservatorio Astronomico di Padova, vicolo dell'Osservatorio 5, 35122 Padova, Italy.
[7] NFRA, PO Box 2, NL-7990, AA Dwingeloo, The Netherlands.
[8] School of Physics, University of New South Wales, Sydney 2052, Australia.

[9] We use $q_0 = 0.5$ and $h = H_0/100$ km s^{-1} Mpc^{-1}. For this geometry 1″ is equivalent to 3.09 h^{-1} kpc for our lowest redshift cluster and 3.76 h^{-1} kpc for the most distant.

Recommend

Browse

Search

ADS Labs
Streamlined Search

Home | Labs Home | ADS Classic | Help | kurtz@cfa.harvard.edu - Sign off

weak gravitational lensing X | Astronomy | SEARCH

Author First author Title Object Examples

Sort by

- Most recent
- Most relevant
- Most cited
- Most popular

Explore the field

- What people are reading
- What experts are citing
- Reviews and introductory papers

Return top 200 results.

myADS | **Recommended** | **Recently read**

2012arXiv1210.0608Y: Yang, X.: Baryon impact on weak lensing peaks and power spectrum: low-bias statistics and self-calibration in future surveys
2012arXiv1210.0543P: Pacifici, C.: The rise and fall of the star formation histories of blue galaxies at redshifts 0.2
2012arXiv1210.0878L: Labatie, A.: Effect of model-dependent covariance matrix for studying Baryon Acoustic Oscillations
2012arXiv1210.0566H: Husemann, B.: The properties of the extended warm ionised gas around low-redshift QSOs and the lack of extended high-velocity outflows
2012arXiv1210.0872S: Storm, E.: Constraints on Dark Matter Annihilation in Clusters of Galaxies from Diffuse Radio Emission
2012arXiv1210.0609Z: Zschaechner, L. K.: HALOGAS: HI Observations and Modeling of the Nearby Edge-on Spiral Galaxy NGC 4565
2012arXiv1210.0547B: Booth, M.: Resolved Debris Discs Around A Stars in the Herschel DEBRIS Survey
2012arXiv1210.0533P: Prinja, R. K.: Looking deep into the Cat's Eye: Structure and rotation in the fast wind of the PN central star of NGC6543
2012arXiv1210.0529Y: Yang, Y.: A Yang-Mills Type Gauge Theory of Gravity and the Dark Matter and Dark Energy Problems
2012arXiv1210.0550L: LaMassa, S. M.: Finding Rare AGN: X-ray Number Counts of Chandra Sources in Stripe 82

weak gravitational lensing X | Astronomy | SEARCH

Author | First author | Title | Object | Examples

Sort by

- Most recent
- Most relevant
- Most cited
- Most popular

Explore the field

- What people are reading
- What experts are citing
- Reviews and introductory papers

Return top 200 results.

myADS | **Recommended** | **Recently read**

2012arXiv1210.0608Y: Yang, X.: Baryon impact on weak lensing peaks and power spectrum: low-bias statistics and self-calibration in future surveys
2012arXiv1210.0543P: Pacifici, C.: The rise and fall of the star formation histories of blue galaxies at redshifts 0.2
2012arXiv1210.0878L: Labatie, A.: Effect of model-dependent covariance matrix for studying Baryon Acoustic Oscillations
2012arXiv1210.0566H: Husemann, B.: The properties of the extended warm ionised gas around low-redshift QSOs and the lack of extended high-velocity outflows
2012arXiv1210.0872S: Storm, E.: Constraints on Dark Matter Annihilation in Clusters of Galaxies from Diffuse Radio Emission
2012arXiv1210.0609Z: Zschaechner, L. K.: HALOGAS: HI Observations and Modeling of the Nearby Edge-on Spiral Galaxy NGC 4565
2012arXiv1210.0547B: Booth, M.: Resolved Debris Discs Around A Stars in the Herschel DEBRIS Survey
2012arXiv1210.0533P: Prinja, R. K.: Looking deep into the Cat's Eye: Structure and rotation in the fast wind of the PN central star of NGC6543
2012arXiv1210.0529Y: Yang, Y.: A Yang-Mills Type Gauge Theory of Gravity and the Dark Matter and Dark Energy Problems
2012arXiv1210.0550L: LaMassa, S. M.: Finding Rare AGN: X-ray Number Counts of Chandra Sources in Stripe 82

ADS Labs
Streamlined Search

Home | Labs Home | ADS Classic | Help | kurtz@cfa.harvard.edu - Sign off

weak gravitational lensing X | Astronomy | SEARCH

Author First author Title Object Examples

Sort by

- Most recent
- Most relevant
- Most cited
- Most popular

Explore the field

- What people are reading
- What experts are citing
- Reviews and introductory papers

Return top 200 results.

myADS | **Recommended** | **Recently read**

2012arXiv1210.0608Y: Yang, X.: Baryon impact on weak lensing peaks and power spectrum: low-bias statistics and self-calibration in future surveys
2012arXiv1210.0543P: Pacifici, C.: The rise and fall of the star formation histories of blue galaxies at redshifts 0.2
2012arXiv1210.0878L: Labatie, A.: Effect of model-dependent covariance matrix for studying Baryon Acoustic Oscillations
2012arXiv1210.0566H: Husemann, B.: The properties of the extended warm ionised gas around low-redshift QSOs and the lack of extended high-velocity outflows
2012arXiv1210.0872S: Storm, E.: Constraints on Dark Matter Annihilation in Clusters of Galaxies from Diffuse Radio Emission
2012arXiv1210.0609Z: Zschaechner, L. K.: HALOGAS: HI Observations and Modeling of the Nearby Edge-on Spiral Galaxy NGC 4565
2012arXiv1210.0547B: Booth, M.: Resolved Debris Discs Around A Stars in the Herschel DEBRIS Survey
2012arXiv1210.0533P: Prinja, R. K.: Looking deep into the Cat's Eye: Structure and rotation in the fast wind of the PN central star of NGC6543
2012arXiv1210.0529Y: Yang, Y.: A Yang-Mills Type Gauge Theory of Gravity and the Dark Matter and Dark Energy Problems
2012arXiv1210.0550L: LaMassa, S. M.: Finding Rare AGN: X-ray Number Counts of Chandra Sources in Stripe 82

The ADS is operated by the Smithsonian Astrophysical Observatory under NASA Grant NNX12AG54G
Contact: ads at cfa.harvard.edu or through the feedback form.

ADS Labs Streamlined Search

Home | Labs Home | ADS Classic | Help | kurtz@cfa.harvard.edu - Sign off

weak gravitational lensing X | Astronomy | SEARCH

Author First author Title Object Examples

Sort by

- Most recent
- Most relevant
- Most cited
- Most popular

Explore the field

- What people are reading
- What experts are citing
- Reviews and introductory papers

Return top 200 results.

myADS | **Recommended** | **Recently read**

2012arXiv1210.0608Y: Yang, X.: Baryon impact on weak lensing peaks and power spectrum: low-bias statistics and self-calibration in future surveys
2012arXiv1210.0543P: Pacifici, C.: The rise and fall of the star formation histories of blue galaxies at redshifts 0.2
2012arXiv1210.0878L: Labatie, A.: Effect of model-dependent covariance matrix for studying Baryon Acoustic Oscillations
2012arXiv1210.0566H: Husemann, B.: The properties of the extended warm ionised gas around low-redshift QSOs and the lack of extended high-velocity outflows
2012arXiv1210.0872S: Storm, E.: Constraints on Dark Matter Annihilation in Clusters of Galaxies from Diffuse Radio Emission
2012arXiv1210.0609Z: Zschaechner, L. K.: HALOGAS: HI Observations and Modeling of the Nearby Edge-on Spiral Galaxy NGC 4565
2012arXiv1210.0547B: Booth, M.: Resolved Debris Discs Around A Stars in the Herschel DEBRIS Survey
2012arXiv1210.0533P: Prinja, R. K.: Looking deep into the Cat's Eye: Structure and rotation in the fast wind of the PN central star of NGC6543
2012arXiv1210.0529Y: Yang, Y.: A Yang-Mills Type Gauge Theory of Gravity and the Dark Matter and Dark Energy Problems
2012arXiv1210.0550L: LaMassa, S. M.: Finding Rare AGN: X-ray Number Counts of Chandra Sources in Stripe 82

ADS Labs
Streamlined Search

Home | Labs Home | ADS Classic | Help | kurtz@cfa.harvard.edu - Sign off

weak gravitational lensing X | Astronomy | SEARCH

Author First author Title Object Examples

Sort by

- Most recent
- Most relevant
- Most cited
- Most popular

Explore the field

- What people are reading
- What experts are citing
- Reviews and introductory papers

Return top 200 results.

myADS | **Recommended** | **Recently read**

2012arXiv1210.0608Y: Yang, X.: Baryon impact on weak lensing peaks and power spectrum: low-bias statistics and self-calibration in future surveys
2012arXiv1210.0543P: Pacifici, C.: The rise and fall of the star formation histories of blue galaxies at redshifts 0.2
2012arXiv1210.0878L: Labatie, A.: Effect of model-dependent covariance matrix for studying Baryon Acoustic Oscillations
2012arXiv1210.0566H: Husemann, B.: The properties of the extended warm ionised gas around low-redshift QSOs and the lack of extended high-velocity outflows
2012arXiv1210.0872S: Storm, E.: Constraints on Dark Matter Annihilation in Clusters of Galaxies from Diffuse Radio Emission
2012arXiv1210.0609Z: Zschaechner, L. K.: HALOGAS: HI Observations and Modeling of the Nearby Edge-on Spiral Galaxy NGC 4565
2012arXiv1210.0547B: Booth, M.: Resolved Debris Discs Around A Stars in the Herschel DEBRIS Survey
2012arXiv1210.0533P: Prinja, R. K.: Looking deep into the Cat's Eye: Structure and rotation in the fast wind of the PN central star of NGC6543
2012arXiv1210.0529Y: Yang, Y.: A Yang-Mills Type Gauge Theory of Gravity and the Dark Matter and Dark Energy Problems
2012arXiv1210.0550L: LaMassa, S. M.: Finding Rare AGN: X-ray Number Counts of Chandra Sources in Stripe 82

ADS Labs
Streamlined Search

Home | Labs Home | ADS Classic | Help | kurtz@cfa.harvard.edu - Sign off

weak gravitational lensing | Astronomy | SEARCH

Author | First author | Title | Object | Examples

Sort by

- Most recent
- Most relevant
- Most cited
- Most popular

Explore the field

- What people are reading
- What experts are citing
- Reviews and introductory papers

Return top 200 results.

myADS | **Recommended** | **Recently read**

2012arXiv1210.0608Y: Yang, X.: Baryon impact on weak lensing peaks and power spectrum: low-bias statistics and self-calibration in future surveys
2012arXiv1210.0543P: Pacifici, C.: The rise and fall of the star formation histories of blue galaxies at redshifts 0.2
2012arXiv1210.0878L: Labatie, A.: Effect of model-dependent covariance matrix for studying Baryon Acoustic Oscillations
2012arXiv1210.0566H: Husemann, B.: The properties of the extended warm ionised gas around low-redshift QSOs and the lack of extended high-velocity outflows
2012arXiv1210.0872S: Storm, E.: Constraints on Dark Matter Annihilation in Clusters of Galaxies from Diffuse Radio Emission
2012arXiv1210.0609Z: Zschaechner, L. K.: HALOGAS: HI Observations and Modeling of the Nearby Edge-on Spiral Galaxy NGC 4565
2012arXiv1210.0547B: Booth, M.: Resolved Debris Discs Around A Stars in the Herschel DEBRIS Survey
2012arXiv1210.0533P: Prinja, R. K.: Looking deep into the Cat's Eye: Structure and rotation in the fast wind of the PN central star of NGC6543
2012arXiv1210.0529Y: Yang, Y.: A Yang-Mills Type Gauge Theory of Gravity and the Dark Matter and Dark Energy Problems
2012arXiv1210.0550L: LaMassa, S. M.: Finding Rare AGN: X-ray Number Counts of Chandra Sources in Stripe 82

ADS Labs
Streamlined Search

Home | Labs Home | ADS Classic | Help | kurtz@cfa.harvard.edu - Sign off

weak gravitational lensing [X] | Astronomy | SEARCH

Author | First author | Title | Object | Examples

Sort by

- Most recent
- Most relevant
- Most cited
- Most popular

Explore the field

- What people are reading
- What experts are citing
- Reviews and introductory papers

Return top 200 results.

myADS | **Recommended** | **Recently read**

2012arXiv1210.0608Y: Yang, X.: Baryon impact on weak lensing peaks and power spectrum: low-bias statistics and self-calibration in future surveys
2012arXiv1210.0543P: Pacifici, C.: The rise and fall of the star formation histories of blue galaxies at redshifts 0.2
2012arXiv1210.0878L: Labatie, A.: Effect of model-dependent covariance matrix for studying Baryon Acoustic Oscillations
2012arXiv1210.0566H: Husemann, B.: The properties of the extended warm ionised gas around low-redshift QSOs and the lack of extended high-velocity outflows
2012arXiv1210.0872S: Storm, E.: Constraints on Dark Matter Annihilation in Clusters of Galaxies from Diffuse Radio Emission
2012arXiv1210.0609Z: Zschaechner, L. K.: HALOGAS: HI Observations and Modeling of the Nearby Edge-on Spiral Galaxy NGC 4565
2012arXiv1210.0547B: Booth, M.: Resolved Debris Discs Around A Stars in the Herschel DEBRIS Survey
2012arXiv1210.0533P: Prinja, R. K.: Looking deep into the Cat's Eye: Structure and rotation in the fast wind of the PN central star of NGC6543
2012arXiv1210.0529Y: Yang, Y.: A Yang-Mills Type Gauge Theory of Gravity and the Dark Matter and Dark Energy Problems
2012arXiv1210.0550L: LaMassa, S. M.: Finding Rare AGN: X-ray Number Counts of Chandra Sources in Stripe 82

The ADS is operated by the Smithsonian Astrophysical Observatory under NASA Grant NNX12AG54G
Contact: ads at cfa.harvard.edu or through the feedback form.

ADS Labs
Streamlined Search

Home | Labs Home | ADS Classic | Help | kurtz@cfa.harvard.edu - Sign off

weak gravitational lensing X | Astronomy | SEARCH

Author First author Title Object Examples

Sort by

- Most recent
- Most relevant
- Most cited
- Most popular

Explore the field

- What people are reading
- What experts are citing
- Reviews and introductory papers

Return top 200 results.

myADS | **Recommended** | **Recently read**

2012arXiv1207.5800N: Nusser,+: A direct probe of cosmological power spectra of the peculiar velocity field and the gravitational lensing magnification from photometric redshift surveys
2012JApA...33..245G: Griffin,+: Photoelectric Radial Velocities, Paper XX 45 Years' Monitoring of the Radial Velocities of the Redman K Stars
2012ApJ...747...68H: Sreedhar,+: Ages and Metallicities of Cluster Galaxies in A779 Using Modified Strömgren Photometry
2012arXiv1208.1696H: Husemann,+: PyCosmic: A robust method to detect cosmics in CALIFA and other fiber-fed integral-field spectroscopy datasets
2012Natur.485..611W: Wilken,+: A spectrograph for exoplanet observations calibrated at the centimetre-per-second level
2012MNRAS.420..455S: Schäfer,+: On the validity of the Born approximation for weak cosmic flexions
2012arXiv1206.0876C: Cavuoti,+: Photometric redshifts with Quasi Newton Algorithm (MLPQNA). Results in the PHAT1 contest
2012ApJ...748...56S: Shan,+: Weak Lensing Measurement of Galaxy Clusters in the CFHTLS-Wide Survey
2012arXiv1208.4323J: Jauzac,+: A Weak-Lensing Mass Reconstruction of the Large-Scale Filament Feeding the Massive Galaxy Cluster MACSJ0717.5+3745
2012MNRAS.425.1308B: Bernkopf,+: Characteristics of the closest known G-type exoplanet host 82 Eri

The ADS is operated by the Smithsonian Astrophysical Observatory under NASA Grant NNX12AG54G
Contact: ads at cfa.harvard.edu or through the feedback form.

ADS Labs Streamlined Search

Home | Labs Home | ADS Classic | Help | kurtz@cfa.harvard.edu - Sign off

weak gravitational lensing X | Astronomy | SEARCH

Author First author Title Object Examples

Sort by

- Most recent
- Most relevant
- Most cited
- (•) Most popular

Explore the field

- What people are reading
- What experts are citing
- Reviews and introductory papers

Return top 200 results.

myADS	Recommended	Recently read

2012A&A...538A..76N: Navarro, S. G.: Automatic spectral classification of stellar spectra with low signal-to-noise ratio using artificial neural networks
2012ApJ...750..168K: Kurtz, M. J.: Testing Weak-lensing Maps with Redshift Surveys: A Subaru Field
2012MNRAS.420.1384S: Spinelli, P. F.: Weak-lensing mass estimates of galaxy groups and the line-of-sight contamination

The ADS is operated by the Smithsonian Astrophysical Observatory under NASA Grant NNX12AG54G
Contact: ads at cfa.harvard.edu or through the feedback form.

ADS Labs
Streamlined Search

weak gravitational lensing - *Most recent*

Top 200 results More

NO FILTERS APPLIED

FILTER BY:

Authors
- Rhodes, J (12)
- Kitching, T (11)
- Massey, R (11)
- Hoekstra, H (9)
- Bridle, S (8)

Keywords

Data

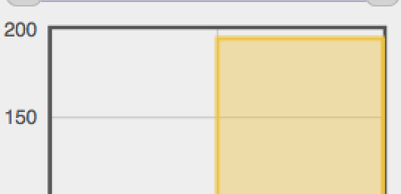
SIMBAD Objects

Vizier Tables

Refereed status

Dates

from 2011 to 2012



1. 2012MNRAS.426..566C Cited by 4 [E F L X R C U]
On combining galaxy clustering and weak lensing to unveil galaxy biasing via the halo model
Cacciato, M.; Lahav, O.; van den Bosch, F. C.; Hoekstra, H.; *and 1 coauthors*
Matches in Abstract / Matches in preprint

2. 2012ApJ...758...68H Cited by 2 [E F L X R C U]
Weak-lensing Mass Measurements of Five Galaxy Clusters in the South Pole Telescope Survey Using Magellan/Megacam
High, F. W.; Hoekstra, H.; Leethochawalit, N.; de Haan, T.; *and 82 coauthors*
Matches in Abstract / Matches in fulltext

3. 2012A&A...546A..32R [E F L X R U]
Analytical shear and flexion of Einasto dark matter haloes
Retana-Montenegro, E.; Frutos-Alfaro, F.; Baes, M.
Matches in Abstract / Matches in fulltext

4. 2012PhRvD..86f3520D Cited by 1 [E L X R C U]
CMB polarization impact on cosmological constraints
Das, Sudeep; Linder, Eric V.
Matches in Abstract / Matches in fulltext

5. 2012MNRAS.425.2287H Cited by 2 [E F L X R C U]
Scatter and bias in weak lensing selected clusters
Hamana, Takashi; Oguri, Masamune; Shirasaki, Masato; Sato, Masanori
Matches in Abstract / Matches in preprint

6. 2012MNRAS.425.1951R Cited by 7 [E F L X R C U]
Noise bias in weak lensing shape measurements
Refregier, Alexandre; Kacprzak, Tomasz; Amara, Adam; Bridle, Sarah; *and 1 coauthors*

ADS Labs
Streamlined Search

Home | Labs Home | ADS Classic | Help | kurtz@cfa.harvard.edu - Sign off

weak gravitational lensing - *Most relevant*

Top 200 results More

NO FILTERS APPLIED

FILTER BY:

Authors

- Hoekstra, H (21)
- Mellier, Y (20)
- Broadhurst, T (16)
- Kneib, J (16)
- Refregier, A (16)

Keywords

Data

SIMBAD Objects

Vizier Tables

Refereed status

Dates

from 1980 to 2012

1. 1998AJ....116.1009R Cited by 6513 [E F X D R C S N U]
Observational Evidence from Supernovae for an Accelerating Universe and a Cosmological Constant
Riess, Adam G.; Filippenko, Alexei V.; Challis, Peter; Clocchiatti, Alejandro; *and 16 coauthors*
Matches in Abstract / Matches in fulltext

2. 2001PhR...340..291B Cited by 742 [E L X R C U]
Weak gravitational lensing
Bartelmann, M.; Schneider, P.
Matches in Abstract / Matches in fulltext

3. 1993Natur.365..621A Cited by 628 [E L X R C S N U]
Possible gravitational microlensing of a star in the Large Magellanic Cloud
Alcock, C.; Akerlof, C. W.; Allsman, R. A.; Axelrod, T. S.; *and 14 coauthors*
Matches in Abstract / Matches in preprint

4. 2010A&A...516A..63S Cited by 126 [E F L X D R C S U]
Evidence of the accelerated expansion of the Universe from weak lensing tomography with COSMOS
Schrabback, T.; Hartlap, J.; Joachimi, B.; Kilbinger, M.; *and 18 coauthors*
Matches in Abstract / Matches in fulltext

5. 2011arXiv1110.3193L Cited by 82 [X R C U]
Euclid Definition Study Report
Laureijs, R.; Amiaux, J.; Arduini, S.; Augueres, J. -L.; *and 215 coauthors*
Matches in Abstract / Matches in preprint

6. 2008A&A...479....9F Cited by 237 [E F X R C U]
Very weak lensing in the CFHTLS wide: cosmology from cosmic shear in the linear regime
Fu, L.; Semboloni, E.; Hoekstra, H.; Kilbinger, M.; *and 15 coauthors*

ADS Labs
Streamlined Search

Home | Labs Home | ADS Classic | Help | kurtz@cfa.harvard.edu - Sign off

weak gravitational lensing - *Most cited*

Top 200 results More

NO FILTERS APPLIED

FILTER BY:

Authors

- Mellier, Y (22)
- Hoekstra, H (19)
- Refregier, A (15)
- Schneider, P (13)
- Ellis, R (11)

Keywords

Data

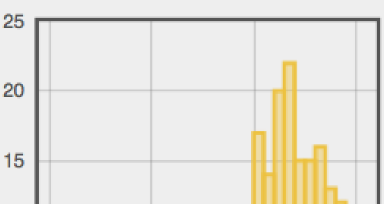
SIMBAD Objects

Vizier Tables

Refereed status

Dates

from 1979 to 2011



1. 1998AJ....116.1009R Cited by 6513 [E F X D R C S N U]
Observational Evidence from Supernovae for an Accelerating Universe and a Cosmological Constant
Riess, Adam G.; Filippenko, Alexei V.; Challis, Peter; Clocchiatti, Alejandro; *and 16 coauthors*
Matches in Abstract / Matches in fulltext

2. 2001PhR...340..291B Cited by 742 [E L X R C U]
Weak gravitational lensing
Bartelmann, M.; Schneider, P.
Matches in Abstract / Matches in fulltext

3. 2002PhR...372....1C Cited by 652 [E L X R C U]
Halo models of large scale structure
Cooray, Asantha; Sheth, Ravi
Matches in Abstract / Matches in fulltext

4. 1993Natur.365..621A Cited by 628 [E L X R C S N U]
Possible gravitational microlensing of a star in the Large Magellanic Cloud
Alcock, C.; Akerlof, C. W.; Allsman, R. A.; Axelrod, T. S.; *and 14 coauthors*
Matches in Abstract / Matches in preprint

5. 2006ApJ...648L.109C Cited by 503 [E F X D R C S N U]
A Direct Empirical Proof of the Existence of Dark Matter
Clowe, Douglas; Bradač, Maruša; Gonzalez, Anthony H.; Markevitch, Maxim; *and 3 coauthors*
Matches in Abstract / Matches in fulltext

6. 2000PhRvL..84.2778G Cited by 502 [E L X R C U]
Gravity in the Randall-Sundrum Brane World
Garriga, Jaume; Tanaka, Takahiro

ADS Labs
Streamlined Search

Home | Labs Home | ADS Classic | Help | kurtz@cfa.harvard.edu - Sign off

weak gravitational lensing - *Most popular*

Top 200 results More

NO FILTERS APPLIED

FILTER BY:

Authors

- Massey, R (19)
- Rhodes, J (17)
- Hoekstra, H (16)
- Kneib, J (13)
- Broadhurst, T (12)

Keywords

Data

SIMBAD Objects

Vizier Tables

Refereed status

Dates

from 1996 to 2012

1. 2012Natur.487..202D [E L X R S U]
A filament of dark matter between two clusters of galaxies
Dietrich, Jörg P.; Werner, Norbert; Clowe, Douglas; Finoguenov, Alexis; *and 3 coauthors*
Matches in Abstract / Matches in preprint

2. 1998AJ....116.1009R Cited by 6513 [E F X D R C S N U]
Observational Evidence from Supernovae for an Accelerating Universe and a Cosmological Constant
Riess, Adam G.; Filippenko, Alexei V.; Challis, Peter; Clocchiatti, Alejandro; *and 16 coauthors*
Matches in Abstract / Matches in fulltext

3. 2012arXiv1209.1391N [X R U]
The Density Profiles of Massive, Relaxed Galaxy Clusters: I. The Total Density Over 3 Decades in Radius
Newman, Andrew B.; Treu, Tommaso; Ellis, Richard S.; Sand, David J.; *and 3 coauthors*
Matches in Abstract / Matches in preprint

4. 2012arXiv1209.1392N [X R U]
The Density Profiles of Massive, Relaxed Galaxy Clusters: II. Separating Luminous and Dark Matter in Cluster Cores
Newman, Andrew B.; Treu, Tommaso; Ellis, Richard S.; Sand, David J.
Matches in Abstract / Matches in preprint

5. 2012PhRvD..86f3520D Cited by 1 [E L X R C U]
CMB polarization impact on cosmological constraints
Das, Sudeep; Linder, Eric V.
Matches in Abstract / Matches in fulltext

6. 2012arXiv1201.2434W Cited by 38 [X R C U]
Observational Probes of Cosmic Acceleration
Weinberg, David H.; Mortonson, Michael J.; Eisenstein, Daniel J.; Hirata, Christopher; *and 2*

ADS Labs
Streamlined Search

Home | Labs Home | ADS Classic | Help | kurtz@cfa.harvard.edu - Sign off

weak gravitational lensing - *What people are reading* — ***Top 200 results*** — More

NO FILTERS APPLIED

FILTER BY:

Authors

- Weinberg, D (10)
- Knox, L (9)
- Percival, W (9)
- Schneider, D (9)
- Bizyaev, D (8)

Keywords

Data

SIMBAD Objects

Vizier Tables

Refereed status

Dates

from 2011 to 2012

1. 2012Natur.487..202D [E L X R S U]
A filament of dark matter between two clusters of galaxies
Dietrich, Jörg P.; Werner, Norbert; Clowe, Douglas; Finoguenov, Alexis; *and 3 coauthors*
Matches in Abstract / Matches in preprint

2. 2012RAA....12..917S Cited by 1 [E L X R C U]
The current status of galaxy formation
Silk, Joseph; Mamon, Gary A.
Matches in preprint

3. 2012arXiv1207.1120M Cited by 2 [X R C U]
Cosmological parameter constraints from galaxy-galaxy lensing and galaxy clustering with the SDSS DR7
Mandelbaum, Rachel; Slosar, Anze; Baldauf, Tobias; Seljak, Uros; *and 4 coauthors*
Matches in Abstract / Matches in preprint

4. 2012arXiv1209.1391N [X R U]
The Density Profiles of Massive, Relaxed Galaxy Clusters: I. The Total Density Over 3 Decades in Radius
Newman, Andrew B.; Treu, Tommaso; Ellis, Richard S.; Sand, David J.; *and 3 coauthors*
Matches in Abstract / Matches in preprint

5. 2012PhRvD..86f3520D Cited by 1 [E L X R C U]
CMB polarization impact on cosmological constraints
Das, Sudeep; Linder, Eric V.
Matches in Abstract / Matches in fulltext

6. 2012arXiv1209.1392N [X R U]
The Density Profiles of Massive, Relaxed Galaxy Clusters: II. Separating Luminous and Dark Matter in Cluster Cores
Newman, Andrew B.; Treu, Tommaso; Ellis, Richard S.; Sand, David J.
Matches in Abstract / Matches in preprint

ADS Labs
Streamlined Search

weak gravitational lensing - ***What experts are citing*** ***Top 200 results*** More

NO FILTERS APPLIED

FILTER BY:

Authors

- Mellier, Y (22)
- Hoekstra, H (16)
- Refregier, A (16)
- Kaiser, N (15)
- Jain, B (14)

Keywords

Data

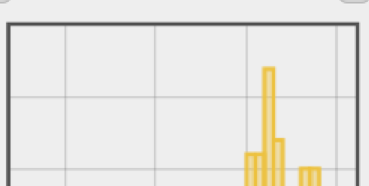
SIMBAD Objects

Vizier Tables

Refereed status

Dates

from 1974 to 2011



1. 1995ApJ...449..460K Cited by 418 [F G X R C U]
A Method for Weak Lensing Observations
Kaiser, Nick; Squires, Gordon; Broadhurst, Tom
Matches in Abstract / Matches in fulltext

2. 2001PhR...340..291B Cited by 742 [E L X R C U]
Weak gravitational lensing
Bartelmann, M.; Schneider, P.
Matches in Abstract / Matches in fulltext

3. 1997ApJ...490..493N Cited by 3914 [E F X R C U]
A Universal Density Profile from Hierarchical Clustering
Navarro, Julio F.; Frenk, Carlos S.; White, Simon D. M.
Matches in fulltext

4. 1996A&AS..117..393B Cited by 3911 [F G R C U]
SExtractor: Software for source extraction.
Bertin, E.; Arnouts, S.

5. 2007MNRAS.376...13M Cited by 171 [E F G X D R C U]
The Shear Testing Programme 2: Factors affecting high-precision weak-lensing analyses
Massey, Richard; Heymans, Catherine; Bergé, Joel; Bernstein, Gary; *and 27 coauthors*
Matches in Abstract / Matches in fulltext

6. 2006MNRAS.368.1323H Cited by 197 [E F G X R C U]
The Shear Testing Programme - I. Weak lensing analysis of simulated ground-based observations
Heymans, Catherine; Van Waerbeke, Ludovic; Bacon, David; Berge, Joel; *and 21 coauthors*
Matches in Abstract / Matches in fulltext

ADS Labs
Streamlined Search

Home | Labs Home | ADS Classic | Help | kurtz@cfa.harvard.edu - Sign off

weak gravitational lensing - *Reviews and introductory papers* ***Top 200 results*** More

NO FILTERS APPLIED

FILTER BY:

Authors

- Schneider, P (25)
- Hoekstra, H (22)
- van Waerbeke, L (16)
- Broadhurst, T (15)
- Mellier, Y (15)

Keywords

Data

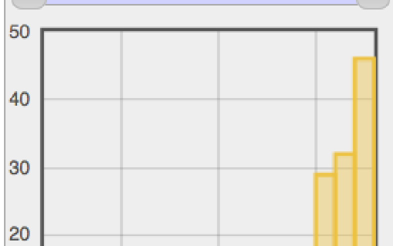
SIMBAD Objects

Vizier Tables

Refereed status

Dates

from 1996 to 2012



1. 2010CQGra..27w3001B Cited by 19 [E L R C U]
TOPICAL REVIEW Gravitational lensing
Bartelmann, Matthias
Matches in Abstract / Matches in fulltext

2. 2008PhR...462...67M Cited by 124 [E L X R C U]
Cosmology with weak lensing surveys
Munshi, Dipak; Valageas, Patrick; van Waerbeke, Ludovic; Heavens, Alan
Matches in Abstract / Matches in preprint

3. 2010GReGr..42.2177H Cited by 23 [E L X R C U]
Weak lensing, dark matter and dark energy
Huterer, Dragan
Matches in Abstract / Matches in fulltext

4. 2008ARNPS..58...99H Cited by 91 [E L X R C U]
Weak Gravitational Lensing and Its Cosmological Applications
Hoekstra, Henk; Jain, Bhuvnesh
Matches in Abstract / Matches in preprint

5. 2010RPPh...73h6901M Cited by 22 [E L X R C U]
The dark matter of gravitational lensing
Massey, Richard; Kitching, Thomas; Richard, Johan
Matches in Abstract / Matches in preprint

6. 2011A&ARv..19...47K Cited by 7 [E X R C S U]
Cluster lenses
Kneib, Jean-Paul; Natarajan, Priyamvada
Matches in Abstract / Matches in preprint

7. 2005astro.ph..9252S Cited by 12 [X R C U]
Weak Gravitational Lensing
Schneider, Peter

ADS Labs
Streamlined Search

Home | Labs Home | ADS Classic | Help | kurtz@cfa.harvard.edu - Sign off

weak gravitational lensing X | Astronomy | SEARCH

Author First author Title Object Examples

Sort by

- Most recent
- Most relevant
- Most cited
- Most popular

Explore the field

- What people are reading
- What experts are citing
- Reviews and introductory papers

Return top 200 results.

myADS | **Recommended** | **Recently read**

2012arXiv1210.0608Y: Yang, X.: Baryon impact on weak lensing peaks and power spectrum: low-bias statistics and self-calibration in future surveys
2012arXiv1210.0543P: Pacifici, C.: The rise and fall of the star formation histories of blue galaxies at redshifts 0.2
2012arXiv1210.0878L: Labatie, A.: Effect of model-dependent covariance matrix for studying Baryon Acoustic Oscillations
2012arXiv1210.0566H: Husemann, B.: The properties of the extended warm ionised gas around low-redshift QSOs and the lack of extended high-velocity outflows
2012arXiv1210.0872S: Storm, E.: Constraints on Dark Matter Annihilation in Clusters of Galaxies from Diffuse Radio Emission
2012arXiv1210.0609Z: Zschaechner, L. K.: HALOGAS: HI Observations and Modeling of the Nearby Edge-on Spiral Galaxy NGC 4565
2012arXiv1210.0547B: Booth, M.: Resolved Debris Discs Around A Stars in the Herschel DEBRIS Survey
2012arXiv1210.0533P: Prinja, R. K.: Looking deep into the Cat's Eye: Structure and rotation in the fast wind of the PN central star of NGC6543
2012arXiv1210.0529Y: Yang, Y.: A Yang-Mills Type Gauge Theory of Gravity and the Dark Matter and Dark Energy Problems
2012arXiv1210.0550L: LaMassa, S. M.: Finding Rare AGN: X-ray Number Counts of Chandra Sources in Stripe 82

ADS Labs Streamlined Search

Home | Labs Home | ADS Classic | Help | kurtz@cfa.harvard.edu - Sign off

weak gravitational lensing - *Most recent*

Top 200 results More

NO FILTERS APPLIED

FILTER BY:

Authors

- Rhodes, J (12)
- Kitching, T (11)
- Massey, R (11)
- Hoekstra, H (9)
- Bridle, S (8)

Keywords

Data

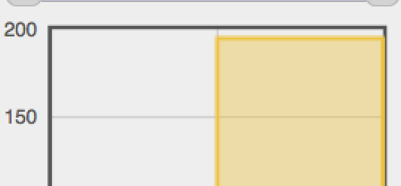
SIMBAD Objects

Vizier Tables

Refereed status

Dates

from 2011 to 2012



1. 2012MNRAS.426..566C Cited by 4 [E F L X R C U]
On combining galaxy clustering and weak lensing to unveil galaxy biasing via the halo model
Cacciato, M.; Lahav, O.; van den Bosch, F. C.; Hoekstra, H.; *and 1 coauthors*
Matches in Abstract / Matches in preprint

2. 2012ApJ...758...68H Cited by 2 [E F L X R C U]
Weak-lensing Mass Measurements of Five Galaxy Clusters in the South Pole Telescope Survey Using Magellan/Megacam
High, F. W.; Hoekstra, H.; Leethochawalit, N.; de Haan, T.; *and 82 coauthors*
Matches in Abstract / Matches in fulltext

3. 2012A&A...546A..32R [E F L X R U]
Analytical shear and flexion of Einasto dark matter haloes
Retana-Montenegro, E.; Frutos-Alfaro, F.; Baes, M.
Matches in Abstract / Matches in fulltext

4. 2012PhRvD..86f3520D Cited by 1 [E L X R C U]
CMB polarization impact on cosmological constraints
Das, Sudeep; Linder, Eric V.
Matches in Abstract / Matches in fulltext

5. 2012MNRAS.425.2287H Cited by 2 [E F L X R C U]
Scatter and bias in weak lensing selected clusters
Hamana, Takashi; Oguri, Masamune; Shirasaki, Masato; Sato, Masanori
Matches in Abstract / Matches in preprint

6. 2012MNRAS.425.1951R Cited by 7 [E F L X R C U]
Noise bias in weak lensing shape measurements
Refregier, Alexandre; Kacprzak, Tomasz; Amara, Adam; Bridle, Sarah; *and 1 coauthors*

ADS Labs Streamlined Search

weak gravitational lensing - *Most recent* ***Top 5 results*** More

Data: HST [X]
AND Object: Other object [X]
AND Dates: Min_2012 [X]
clear

FILTER BY:

Authors

Keywords

Data

- CDS (122)
- ESA (52)
- MAST (51)
- [x] HST (50)
- NED (18)

SIMBAD Objects

- Other object (109)
  - ACO 1689 (39)
  - COSMOS FIELD (26)
  - ZwCl 0024+1652 (20)
  - [x] ACO 383 (16)
  - CIG 0657-56 (16)
  - ACO 1703 (13)
  - ACO 370 (12)
- Galaxy (41)
- Star (7)
- Radio Source (5)
- X-Ray Source (4)

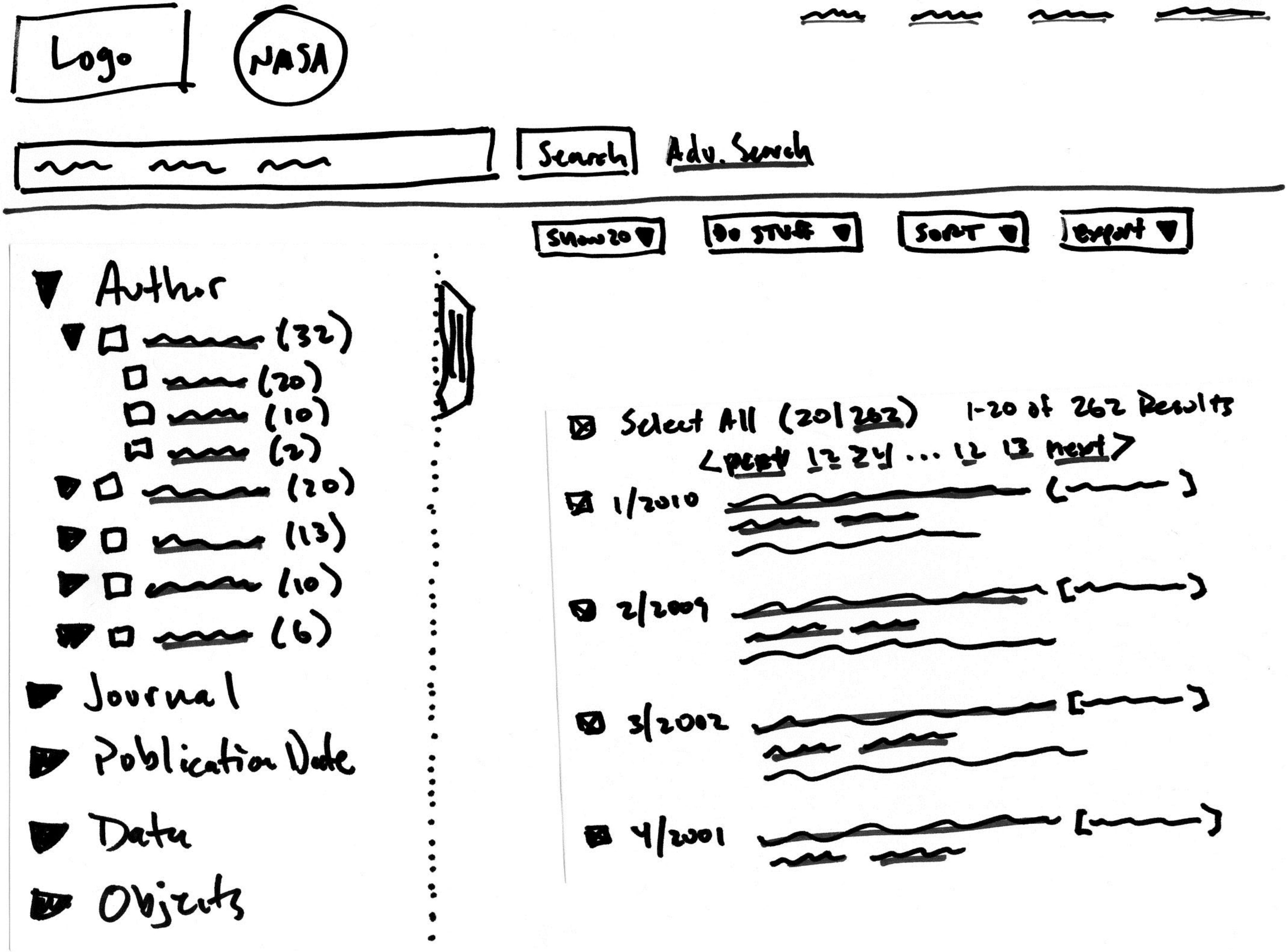
42. 2012ApJ...755...56U Cited by 5 [E F L X D R C S U]
CLASH: Mass Distribution in and around MACS J1206.2-0847 from a Full Cluster Lensing Analysis
Umetsu, Keiichi; Medezinski, Elinor; Nonino, Mario; Merten, Julian; *and 44 coauthors*
Matches in Abstract / Matches in fulltext

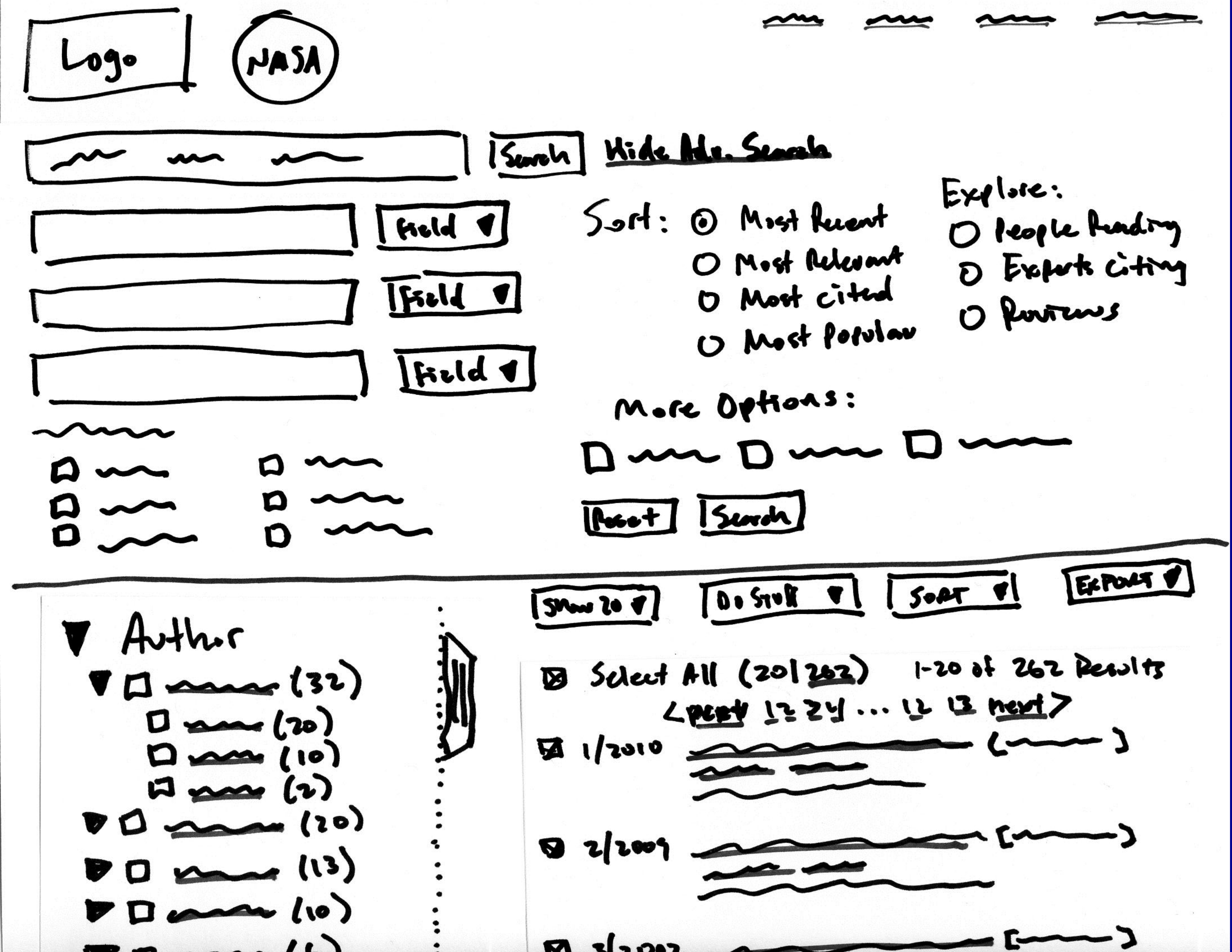
45. 2012ApJ...754..119M Cited by 12 [E F L X D R C S U]
LoCuSS: The Sunyaev-Zel'dovich Effect and Weak-lensing Mass Scaling Relation
Marrone, Daniel P.; Smith, Graham P.; Okabe, Nobuhiro; Bonamente, Massimiliano; *and 21 coauthors*
Matches in Abstract / Matches in fulltext

114. 2012ApJS..199...25P Cited by 51 [E F L X D R C S U]
The Cluster Lensing and Supernova Survey with Hubble: An Overview
Postman, Marc; Coe, Dan; Benítez, Narciso; Bradley, Larry; *and 41 coauthors*
Matches in Abstract / Matches in fulltext

145. 2012MNRAS.420.1621Z Cited by 4 [E F L X D R C S U]
Cluster-cluster lensing and the case of Abell 383
Zitrin, Adi; Rephaeli, Yoel; Sadeh, Sharon; Medezinski, Elinor; *and 7 coauthors*
Matches in Abstract / Matches in fulltext

173. 2012ApJ...744..159L Cited by 54 [E F L X D R C S U]
New Constraints on the Evolution of the Stellar-to-dark Matter Connection: A Combined Analysis of Galaxy-Galaxy Lensing, Clustering, and Stellar Mass Functions from z = 0.2 to z =1
Leauthaud, Alexie; Tinker, Jeremy; Bundy, Kevin; Behroozi, Peter S.; *and 19 coauthors*
Matches in Abstract / Matches in fulltext


Logo
NASA
Search
Adv. Search
Show 20
Do STUFF
SORT
Export
Author
(32)
(20)
(10)
(2)
(20)
(13)
(10)
(6)
Journal
Publication Date
Data
Objects
Select All (20|262)
1-20 of 262 Results
next
1/2010
2/2009
3/2002
4/2001


Logo
NASA
Search
Hide Adv. Search
Field
Field
Field
Sort:
Most Recent
Most Relevant
Most cited
Most Popular
Explore:
People Reading
Experts citing
Reviews
More Options:
Reset
Search
Show 20
Do Stuff
Sort
Export
Author
(32)
(20)
(10)
(2)
(20)
(13)
(10)
Select All (20/262)
1-20 of 262 Results
1/2010
2/2009

ADS Labs
Streamlined Search

Home | Labs Home | ADS Classic | Help | kurtz@cfa.harvard.edu - Sign off

Bibcode list - *Advanced Search*

7 results More

NO FILTERS APPLIED

FILTER BY:

Authors

- Koekemoer, A (4)
- Bartelmann, M (3)
- Benitez, N (3)
- Bouwens, R (3)
- Bradley, L (3)

Keywords

Data

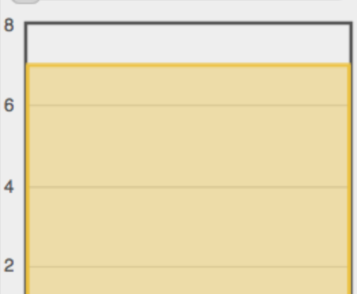
SIMBAD Objects

Vizier Tables

Refereed status

Dates

from 2012 to 2012



1. 2012arXiv1209.1391N [X R U]
The Density Profiles of Massive, Relaxed Galaxy Clusters: I. The Total Density Over 3 Decades in Radius
Newman, Andrew B.; Treu, Tommaso; Ellis, Richard S.; Sand, David J.; *and 3 coauthors*

2. 2012ApJ...757...22C Cited by 8 [E F L X D R C S U]
CLASH: Precise New Constraints on the Mass Profile of the Galaxy Cluster A2261
Coe, Dan; Umetsu, Keiichi; Zitrin, Adi; Donahue, Megan; *and 42 coauthors*

3. 2012arXiv1208.0597V Cited by 2 [X R C U]
Weighing the Giants I: Weak Lensing Masses for 51 Massive Galaxy Clusters - Project Overview, Data Analysis Methods, and Cluster Images
von der Linden, Anja; Allen, Mark T.; Applegate, Douglas E.; Kelly, Patrick L.; *and 9 coauthors*

4. 2012ApJ...755...56U Cited by 5 [E F L X D R C S U]
CLASH: Mass Distribution in and around MACS J1206.2-0847 from a Full Cluster Lensing Analysis
Umetsu, Keiichi; Medezinski, Elinor; Nonino, Mario; Merten, Julian; *and 44 coauthors*

5. 2012ApJ...754..119M Cited by 12 [E F L X D R C S U]
LoCuSS: The Sunyaev-Zel'dovich Effect and Weak-lensing Mass Scaling Relation
Marrone, Daniel P.; Smith, Graham P.; Okabe, Nobuhiro; Bonamente, Massimiliano; *and 21 coauthors*

6. 2012ApJS..199...25P Cited by 51 [E F L X D R C S U]
The Cluster Lensing and Supernova Survey with Hubble: An Overview
Postman, Marc; Coe, Dan; Benítez, Narciso; Bradley, Larry; *and 41 coauthors*

7. 2012ApJ...744..159L Cited by 54 [E F L X D R C S U]
New Constraints on the Evolution of the Stellar-to-dark Matter Connection: A Combined Analysis of Galaxy-Galaxy Lensing, Clustering, and Stellar Mass Functions from z = 0.2 to z =1

2012ApJ...757...22C

CLASH: Precise New Constraints on the Mass Profile of the Galaxy Cluster A2261

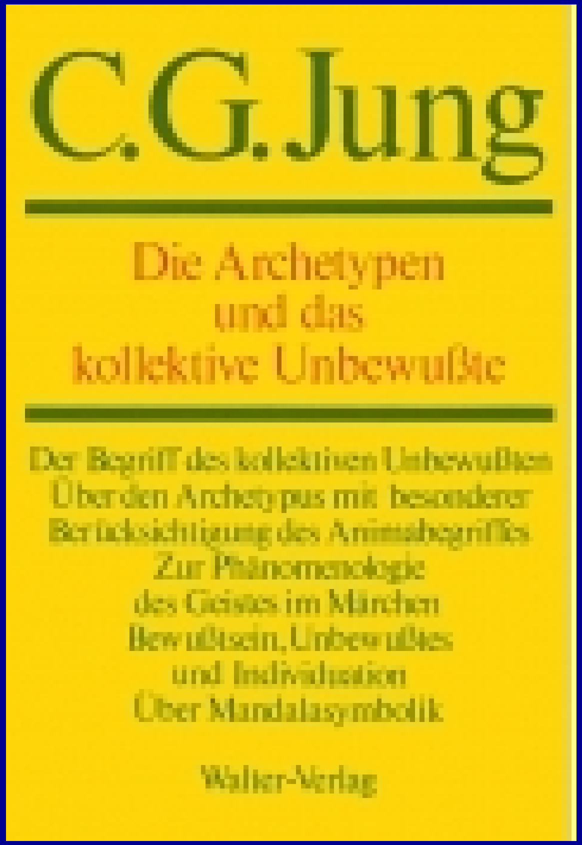
Coe, Dan; Umetsu, Keiichi; Zitrin, Adi; Donahue, Megan; Medezinski, Elinor; Postman, Marc; Carrasco, Mauricio; Anguita, Timo; Geller, Margaret J.; Rines, Kenneth J.; and 36 coauthors

show affiliations

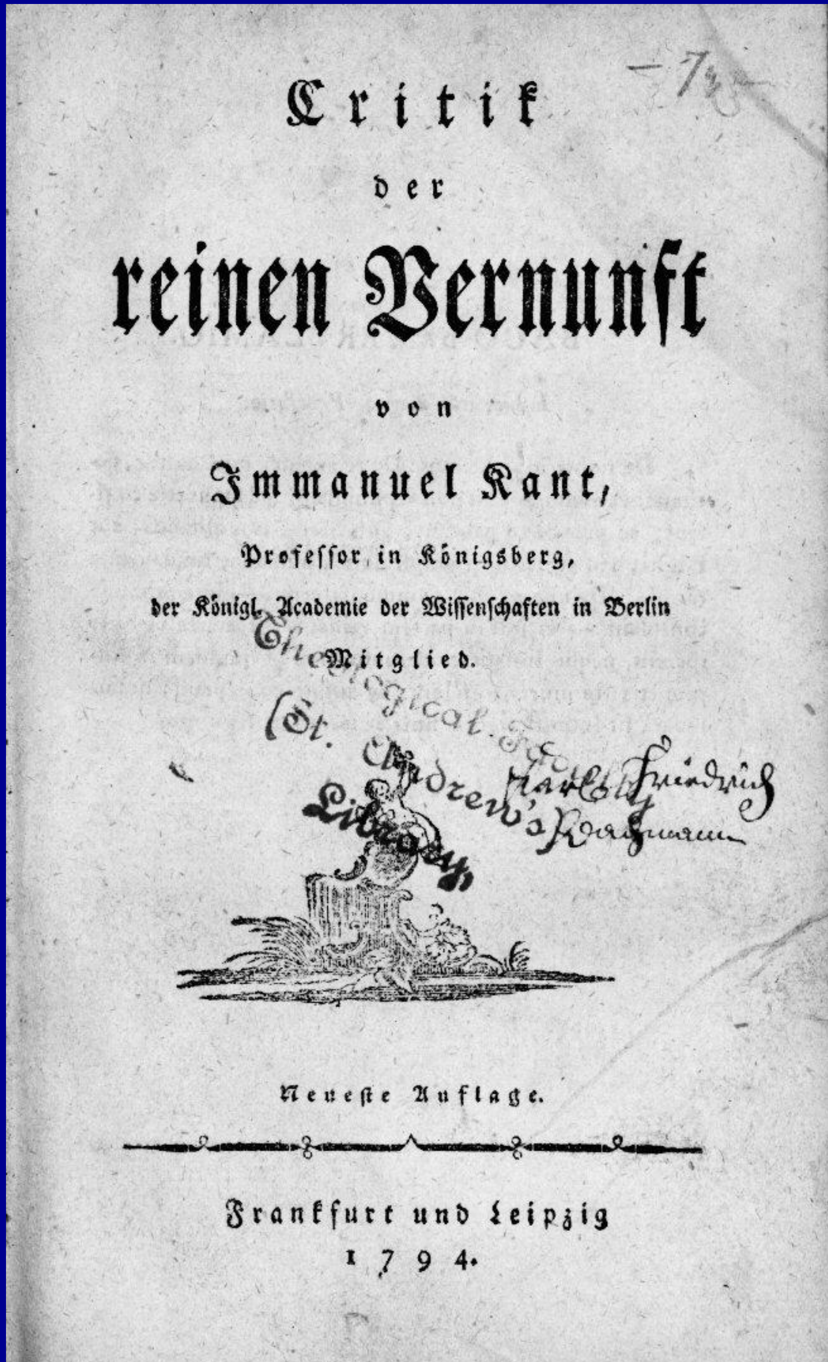
The Astrophysical Journal, Volume 757, Issue 1, article id. 22 (2012).
Published in Sep 2012

DOI: *10.1088/0004-637X/757/1/22*

We precisely constrain the inner mass profile of A2261 (z = 0.225) for the first time and determine that this cluster is not "overconcentrated" as found previously, implying a formation time in agreement with ΛCDM expectations. These results are based on multiple strong-lensing analyses of new 16-band Hubble Space Telescope imaging obtained as part of the Cluster Lensing and Supernova survey with Hubble. Combining this with revised weak-lensing analyses of Subaru wide-field imaging with five-band Subaru + KPNO photometry, we place tight new constraints on the halo virial mass M vir = (2.2 ± 0.2) × 1015 M &sun; h -1 70 (within r vir ≈ 3 Mpc h -1 70) and concentration c vir = 6.2 ± 0.3 when assuming a spherical halo. This agrees broadly with average c(M, z) predictions from recent ΛCDM simulations, which span 5 <~ langcrang <~ 8. Our most significant systematic uncertainty is halo elongation along the line of sight (LOS). To estimate this, we also derive a mass profile based on archival Chandra X-ray observations and find it to be ~35% lower than our lensing-derived profile at r 2500 ~ 600 kpc. Agreement can be achieved by a halo elongated with a ~2:1 axis ratio along our LOS. For this elongated halo model, we find M vir = (1.7 ± 0.2) × 1015 M &sun; h -1 70 and c vir = 4.6 ± 0.2, placing rough lower limits on these values. The need for halo elongation can be partially obviated by non-thermal pressure support and, perhaps entirely, by systematic errors in the X-ray mass measurements. We estimate the effect of background structures based on MMT/Hectospec spectroscopic redshifts and find that these tend to lower M vir further by ~7% and



We are creating the Lizard Brain of the new organism


Critik

der

reinen Vernunft

von

Immanuel Kant,

Professor in Königsberg,

der Königl. Academie der Wissenschaften in Berlin

Mitglied.

Neueste Auflage.

Frankfurt und Leipzig

1794.

Conceive

Perceive

The system of radiation which embraces the whole planet, and includes the million million brains of the race, becomes the physical basis of a racial self. . .

But chiefly the racial mind transcends the minds of groups and individuals in philosophical insight into the true nature of space and time, mind and its objects, cosmical striving and cosmical perfection....

For all the daily business of life, then, each of us is mentally a distinct individual, though his ordinary means of communication with others is "telepathic." But frequently he wakes up to be a group-mind. . .

Of this obviously, I can tell you nothing, save that it differs from the lowlier state more radically than the infant mind differs from the mind of the individual adult, and that it consists of insight into many unsuspected and previously inconceivable features of the familiar world of men and things.