

|             |  |         |   |
|-------------|--|---------|---|
| CONTACT     | German Centre for Cosmological Lensing (GCCL)  |         |   |
| INFORMATION | Astronomisches Institute,<br>Ruhr-Universität Bochum,<br>Universitätsstr. 150,<br>44780 Bochum, NRW, Germany | Voice:  | +49 228 736 788   |
|             |  | Fax:    | –   |
|             |  | E-mail: | <a href="mailto:awright@astro.rub.de">awright@astro.rub.de</a>  |
|             |  | WWW:    | <a href="https://github.com/AngusWright">github/AngusWright</a> |

#### ACADEMIC

REFERENCES  
(ALPHABETIC)

- **Prof. Hendrik Hildebrandt:** AIRUB Managing Director / [hendrik@astro.rub.de](mailto:hendrik@astro.rub.de) / Astronomisches Institute, Ruhr-Universität Bochum, Universitätsstr. 150, 44780 Bochum, NRW, Germany. / +49 234 32 24019
- **Prof. Catherine Heymans:** GCCL Director / [heyman@roe.ac.uk](mailto:heyman@roe.ac.uk) / Institute for Astronomy, University of Edinburgh, Royal Observatory, Blackford Hill, Edinburgh EH9 3HJ, UK. / +44 131 668 8301

#### ACADEMIC

WEBSITES

- <https://orcid.org/0000-0001-7363-7932>
- [www.researchgate.net/profile/Angus\\_Wright3](http://www.researchgate.net/profile/Angus_Wright3)

#### RESEARCH

INTERESTS

- Data intensive astronomy, and exploration of optimal methods/algorithms/approaches for analysis of future legacy surveys.
- Astrostatistics, machine learning methods and their application in an astronomical context, Bayesian statistics.
- Developing algorithms for optimised photometric redshift estimation and calibration for cosmic shear tomography.
- Photometric methods and optimisation of imaging analysis in large imaging surveys, ongoing and upcoming.
- Development and application of modern image reduction methods for wide-field imaging surveys, ongoing and upcoming.
- Development and application of algorithms for measurement of multi-wavelength photometry of extragalactic sources, and the measurement of galaxy spectral energy distributions (SEDs).
- Optimising cosmological parameter estimation from weak lensing tomography through mitigation of systematic effects.
- Studying the build-up of mass (baryonic and dark) in the universe and the evolution of mass functions (stellar, gas, and baryonic) over cosmic timescales.
- Blind HI studies of the local and high redshift universe.
- High-resolution Quasar Spectroscopy and the detection of high-redshift metallicities and isotropic abundances.
- Examination of variation in the fine structure constant  $\alpha$  through analysis of quasar absorption systems.

EDUCATION **University of Western Australia**, WA, Australia

PhD, **Astrophysics** (Graduated Dec 2017)

- Thesis Title: Using Panchromatic Photometry and HI Surveys to constrain the Galactic Baryonic Mass Function
- Thesis Topic: Deriving an empirical measurement of the galactic baryonic mass function using the unique GAMA dataset, by first optimising photometric estimation, HI flux extraction, and measuring the low-redshift stellar and HI mass functions.
- Supervisors:  
Professor Simon P. Driver

Assoc. Prof. Aaron S.G. Robotham

Assoc. Prof. Martin Meyer

- Area of Study: Extra-Galactic Astronomy, Photometric Methods, Astrostatistics

**University of NSW**, NSW, Australia

MPhil, **Astrophysics** (Graduated Mar 2013)

- Thesis Title: Empirical Analysis of Magnesium Isotopic Abundances through Quasar Spectroscopy
- Thesis Topic: Using high-resolution quasar spectroscopy to estimate the impact of detectable Magnesium isotopic abundances on analyses of variation in the fine structure constant  $\alpha$ .
- Supervisor: **Professor John Webb**
- Area of Study: Extra-Galactic Astronomy, Quasar Spectroscopy, Cosmology

BSci, **Physics** (Graduated Mar 2011)

- Included award of B.L. Turtle Memorial Prize for Astrophysics (2011)
- Included Senior Thesis project
- Thesis Title: Optimal Quasar Selection for studies of Variation in the Fine Structure Constant  $\alpha$
- Thesis Topic: Identification and selection of optimal quasar candidates for spectroscopic follow-up in studies of variation in the fine structure constant  $\alpha$ .
- Supervisor: **Professor John Webb**
- Area of Study: Extra-Galactic Astronomy, Cosmology

PROFESSIONAL EXPERIENCE **German Centre for Cosmological Lensing**, Ruhr-Universität Bochum, Bochum, Germany

Research Fellow, 2 years funding (July 2021 to May 2023)

**German Centre for Cosmological Lensing**, Ruhr-Universität Bochum, Bochum, Germany

Research Fellow, 3 years funding (June 2018 to July 2021)

**Rheinische Friedrich-Wilhelms-Universität Bonn**, Bonn, Germany

Post-Doctoral Researcher, 3 years funding (Oct 2016 to Oct 2019)

**University of Western Australia**, Perth, Australia

APA and UWA funded PhD Student, 3 years funding (Mar 2013 to Mar 2016)

**University of NSW**, Sydney, Australia

Lab Demonstrator-in-Charge (Feb 2011 to Dec 2012)

**University of NSW**, Sydney, Australia

Lab Demonstrator (Feb 2010 to Feb 2011)

ACADEMIC  
EXPERIENCE

Grants

**2013 to 2016**

- Graduate Research School Local Travel Award (AUD\$750; 2015)
- Graduate Research School Overseas Travel Award (AUD\$1 850; 2015)
- University of Western Australia Establishment Award (AUD\$2 000; 2013)
- University of Western Australia Safety-Net Top-Up Scholarship (AUD\$12 250; 2013)
- Australian Postgraduate Award (AUD\$86 286; 2013)

- Collaborations: Project Leader **2015 to Present**
- KiDS Redshift Calibration Working Group (co-Lead; 2019 to Present)
  - KiDS Data Release 5 Project (Lead; 2018 to Present)
  - KiDS-VIKING Photometry Working Group (Lead; 2016 to Present)
  - GAMA-KiDS-VIKING Photometry Working Group (Lead; 2015 to 2018)
- Collaborations: Project Member **2013 to Present**
- Dark Energy Science Collaboration (Provisional Member; 2019 to Present)
  - Legacy Survey of Space and Time (LSST) Collaboration (Provisional Member; 2019 to Present)
  - Euclid Collaboration (2018 to Present)
  - KiDS Consortium Member (2015 to Present)
  - GAMA-WISE Matching Group (2014 to 2015)
  - GAMA-H-ATLAS Matching Group (2014 to 2015)
  - ALFALFA-GAMA Collaboration (2013 to 2015)
  - GAMA Team Member (2013 to Present)
- Scientific Organising Committee **2015 to Present**
- ‘Consensus Cosmic Shear in the 2020s’, Busan, South Korea (IAU General Assembly Focus Meeting, 2022; co-Chair)
  - ‘Harley Wood School for Astronomy’, Perth, Australia (2015; Chair)
- Astronomical Society Committee **2015 to 2016**
- Early Career Researcher Chapter Steering Committee, Astronomical Society of Australia, Australia (2015-2016; Postgraduate Representative)
- Journal Referee **2016 to Present**
- Astronomy and Astrophysics (*A&A*, 2018 to present)
  - Monthly Notices of the Royal Astronomical Society (MNRAS, 2016 to present)
- Lecturer **2011 to Present**
- Lecturer for Introduction to Statistics for Physicists and Astronomers (AIRUB, Bochum, 2021 onwards)
  - Contributing Lecturer for Cosmology on thermal history and galaxy evolution (AIRUB, Bochum, 2019 to Present)
  - Contributing Lecturer for Lehrerfortbildung Astronomie (teacher development) on multi-wavelength astronomy (AIfA, Bonn, 2018)
  - Contributing Lecturer for Optical Observations on NIR astronomy (AIfA, Bonn, 2017 to 2019)
  - Lecturer for HSC Physics, Matrix Education (Sydney, 2011 to 2012)
- Tutor **2010 to Present**
- Bayesian statistics and astrostatistics problems class tutor (ICRAR, UWA, 2014 to 2015)
  - First year lab coordinator as Demonstrator-in-Charge (UNSW, 2011 to 2012)
  - Tutor in first year astronomy (UNSW, 2011 to 2012)
  - Tutor in general education astronomy (UNSW, 2010 to 2012)
  - First year lab demonstration (UNSW, 2010 to 2012)
  - Coach and Adjudicator for NSW GPS and AHGSS Debating (Sydney, 2010 to 2012)
  - Tutor for HSC Mathematics, Physics, Chemistry at St Joseph’s College (Sydney, 2010 to 2012)
- Project Supervisor **2017 to Present**
- Bachelors Project Supervisor, Niklas Kroschinski, “Improving KiDS-Legacy Photometric Redshift Estimation for Tomographic Weak Lensing”, German Centre for Cosmological Lensing, Ruhr-Universität Bochum, Germany (2021)

- Bachelors Project Supervisor, Elena Marci-Boehncke, “Optimising Tomographic Bin Definitions for Cosmic Shear Cosmology with KiDS-Legacy”, German Centre for Cosmological Lensing, Ruhr-Universität Bochum, Germany (2021)
- PhD Project Co-Supervisor, Jan Luca van den Busch, “Survey Inhomogeneities and Sample Variance in Cosmic Shear Experiments”, German Centre for Cosmological Lensing, Ruhr-Universität Bochum, Germany (2020-2021)
- Masters Project Supervisor, Anna Wittje, “Improving KiDS-1000 Tomographic Cross-correlation redshift estimates with PAUS”, German Centre for Cosmological Lensing, Ruhr-Universität Bochum, Germany (2020-2021)
- Masters Project Supervisor, Anna Enders, “Studying Galaxy Evolution with Weak Gravitational Lensing in the Kilo-Degree Survey”, German Centre for Cosmological Lensing, Ruhr-Universität Bochum, Germany (2019-2020)
- Bachelor Project Supervisor, Florian Klienebreil, “Detection of the Cluster Red Sequence using KiDS and VIKING Photometry”, Argelander Institut für Astronomie, Universität Bonn, Germany (2017)

#### Meeting or Conference Organiser

**2017 to Present**

- ‘Consensus Cosmic Shear in the 2020s’, IAU General Assembly Focus Meeting, Busan, Korea (2022)
- KiDS Fall Consortium Meeting, Virtual (2020)
- KiDS Spring Consortium Meeting, Virtual (2020)
- KiDS Consortium Meeting, Bochum, Germany (2019)
- Euclid Consortium Meeting, Bonn, Germany (2017)

#### Outreach

**2010 to Present**

- Keynote Speaker for Astronomy on Tap Bonn, Bonn, Germany (Jan 2020)
- Keynote Speaker and Organiser for Astronomy on Tap Bonn, Bonn, Germany (April 2019)
- Outreach Presenter and Organiser at Rural Community Astronomy Event, Tom Price, WA, Australia (Aug 2015)
- Keynote Speaker at Residence of Western Australian US Consul General Cynthia Griffen, Perth, WA, Australia (Aug 2014)
- Outreach Presenter in astronomy for ICRAR, Various Locations, WA, Australia (2013 to 2016)
- Outreach Presenter at National Science Week events for UNSW, Various Locations, NSW, Australia (2011 to 2012)
- Lecturer for public classes in Special and General Relativity (UNSW, 2011 to 2012)
- Demonstrator for UNSW Outreach, specialising in Telescopes and Planetarium activities, Various Locations, NSW, Australia (2010 to 2012)

#### Grader

**2005 to Present**

- Assessment marking for bayesian statistics problem classes (UWA, 2014 to 2015)
- Exam marking for first year astronomy (UNSW, 2011 to 2012)
- Assessment and Exam marking for general education astronomy (UNSW, 2011 to 2012)

#### AWARDS

##### Faculty of Physics, Ruhr-University Bochum

- Lecturer of the Semester (Summer Semester, 2021)

##### ICRAR, University of Western Australia

- Best Student Talk (ICRARcon, 2013)

##### Matrix Education

- Physics Teacher of the Year (2012)

##### University of NSW

- B.L. Turtle Memorial Prize for Astrophysics (2010)

|                        |   |                        |
|------------------------|---|------------------------|
| ADDITIONAL<br>TRAINING | <ul style="list-style-type: none"> <li>• Mental Health First Aid Certification (MHFAA; Standard)</li> <li>• ALLY: Recipient of ALLY (Australia &amp; New Zealand) training in diversity, equity, and inclusion, specifically regarding working with the LGTBI community</li> <li>• HLTAID001: Provide Cardiopulmonary Resuscitation</li> <li>• HLTAID002: Provide Basic Emergency Life Support</li> <li>• HLTAID003: Provide First Aid</li> </ul> | <b>2014 to Present</b> |
|------------------------|---|------------------------|

|                                     |  |                        |
|-------------------------------------|--|------------------------|
| OBSERVING/<br>PROJECT<br>EXPERIENCE | AAT (GAMA) / 2dF (optical) <ul style="list-style-type: none"> <li>• 5 Nights at AAT (1 run, 2014)</li> </ul> | <b>2013 to Present</b> |
|-------------------------------------|--|------------------------|

|   |                        |
|---|------------------------|
| Parkes / (21cm) <ul style="list-style-type: none"> <li>• 5 nights performing deep observations of the HI content of the Sculptor Group of galaxies (P837; 1 run, July 2013)</li> <li>• 13 nights performing observations of the HI content of the GAMA G23, G15, and G12 Fields (P669; 3 runs, 2013 to 2014)</li> </ul> | <b>2013 to Present</b> |
|---|------------------------|

|                                   |   |
|-----------------------------------|---|
| TECHNICAL<br>SKILLS:<br>COMPUTING | Extensive experience with using astronomical software, including but not limited to (alphabetical): Aladdin, BPZ, CIGALE, GAIA, GALFIT, LePhare, MagPhys, Scamp, Source Extractor, SWarp, STILTS, and TOPCAT. |
|-----------------------------------|---|

Intimate knowledge of Linux, Macintosh, and Microsoft operating systems, and a large variety of cross platform propriety (Office, IDL) and open source (bash, Gnuplot, git, L<sup>A</sup>T<sub>E</sub>X, R, Python) languages and software. Extensive experience in the writing, distribution, and management of astronomical software.

Comprehensive understanding of, and proficiency in, the use of a variety of programming languages; in particular **R**, and to varying extents: bash, Python, Perl, C, Fortran, PHP, and HTML.

|                                  |   |                        |
|----------------------------------|---|------------------------|
| MAJOR<br>CONTRIBUTED<br>SOFTWARE | R non-CRAN Packages (primary author) <ul style="list-style-type: none"> <li>• <b>LAMBDA</b>R: Lambda Adaptive Multi-Band Deblending Algorithm for R - advanced photometric deblending routines for PSF mismatched data</li> <li>• <b>SOM DIR</b>: Direct Photometric Redshift Calibration using Self-Organising Maps</li> </ul> | <b>2013 to Present</b> |
|----------------------------------|---|------------------------|

|  |                        |
|--|------------------------|
| R CRAN Packages (co-author, alphabetical order) <ul style="list-style-type: none"> <li>• <b>astro</b>: R functions for Astronomical computing</li> </ul> | <b>2014 to Present</b> |
|--|------------------------|

PRESENTATIONS Information correct as of April 2021.

### Invited Talks

1. ‘Improved Cosmology with SOM Redshift Calibration’, Astrophysics Seminar Series, University of Leiden, Leiden, Netherlands [Virtual] (Jan 2021)
2. ‘Cosmic Shear in 2020’, DIRAC, University of Seattle, Washington, USA [Virtual] (Dec 2020)
3. ‘Translating Pixels into Cosmology for KiDS-1000’, Institut d’Astrophysique de Paris, Paris, France [Virtual] (Nov 2020)
4. ‘Organised Randoms’, Dark Energy Science Collaboration Large-Scale Structure Seminar [Virtual] (Sept 2020)

5. ‘KiDS-1000 Simulations: Description and Lessons Learnt’, Dark Energy Science Collaboration Cosmological Simulations Seminar [Virtual] (Sept 2020)
6. ‘KiDS-1000 Redshift Distribution Calibration’, Princeton Astronomy Seminar, Princeton, NJ, USA [Virtual] (Aug 2020)
7. ‘Photometric Redshift Calibration with Self Organising Maps’, Dark Energy Science Collaboration Redshift Calibration Seminar [Virtual] (Mar 2020)
8. ‘Photometric Redshift Calibration with Self Organising Maps’, DIRAC, University of Seattle, Washington, USA (Mar 2020; cancelled)
9. ‘Photometric Redshift Calibration with Self Organising Maps’, GCCL Seminar [Virtual] (Mar 2020)
10. ‘Cosmological Weak Lensing in 2019’, University of Hamburg, Hamburg, Germany (Dec 2019)
11. ‘Photometric Redshift Calibration with Self-Organising Maps’, LAM, Marseille, France (Sept 2019)
12. ‘KiDS+VIKING-450: A novel dataset for cosmology and astrophysics’, Ruhr-Universität Bochum, Bochum, Germany (May 2019)
13. ‘KiDS+VIKING Cosmic Shear Cosmology’, University of Oxford, Oxford, UK (Nov 2018)
14. ‘KiDS+VIKING Cosmic Shear Cosmology’, University College London, London, UK (Nov 2018)
15. ‘Exploring the Universe: Observational Methods and Facilities’, Universität Bonn, Bonn, Germany (Oct 2018)
16. ‘KiDS+VIKING: Technical Challenges of Combining Two ESO Public Surveys’, ESO, Garching, Germany (Oct 2018)
17. ‘Observational Methods and Facilities’, Universität Bonn, Bonn, Germany (Apr 2018)
18. ‘Galaxy Stellar Mass Functions’, University of Cardiff, Cardiff, Wales (May 2017)

### **Contributed Talks**

1. Faint Sample Correlation Functions, KiDS Consortium Meeting, [Virtual] (Nov 2020)
2. KiDS Data Release 5, KiDS Consortium Meeting, [Virtual] (April 2020)
3. Photometric Redshift Calibration with Self-Organising Maps, Cosmology from Home Conference [Virtual] (Sept 2020)
4. Photometric Redshift Calibration with Self-Organising Maps, Euclid OU-PHZ Workshop, INAF Bologna, Bologna, Italy (Nov 2019)
5. Updated KiDS Photometric Redshift Calibration, KiDS Consortium Meeting, Bochum, Germany (Sept 2019)
6. KiDS Data Release 5, KiDS Consortium Meeting, Bochum, Germany (Sept 2019)
7. SOM Direct Redshift Calibration, KiDS Consortium Meeting, Leiden, Netherlands (Apr 2019)
8. CSSOS-Euclid Photo-z Simulations, ISSI-Bern Workshop on CSS-Euclid, Bern, Switzerland (Dec 2018)

9. Improved Random Catalogue Construction for Photometric Clustering, KiDS Consortium Meeting, ESO, Garching, Germany (Oct 2018)
10. KiDS Data Release 5, KiDS Consortium Meeting, Bochum, Germany (Oct 2018)
11. Towards a Baryonic Mass Function using the GAMA  $z < 0.06$  sample, KiDS-GAMA-  
VIKING Workshop, Royal Observatory of Edinburgh, UK (May 2016)
12. FIR Survey Synergies with GAMA, The Cosmic FIR Landscape, University of Lisbon,  
Portugal (May 2016)
13. Multiwavelength Photometry, SEDs, and the properties of galaxies, Seminar, Univer-  
sity of St. Andrews, UK (Sept 2015)
14. MagPhys Analysis of 220,000 galaxies in GAMA, Modeling Galaxies Across Cosmic  
Times, Kavli Institute for Cosmology, Cambridge, UK (Sept 2015)
15. Multiwavelength Photometry, SEDs, and the properties of galaxies, GAMA Meeting,  
Heidelberg, Germany (Sept 2015)
16. Multiwavelength SEDs in GAMA, Multiwavelength Dissection of Galaxies, Sydney,  
Australia (May 2015)
17. Refinement of Multiwavelength Photometry across all wavelengths, GAMA Photom-  
etry Workshop, Perth, Australia (Feb 2015)
18. Multiwavelength Photometry and the LAMBDAR code, GAMA Meeting, Cape Town,  
South Africa (Sept 2014)
19. Multiwavelength Photometry and the LAMBDAR code, GAMA Meeting, Sydney, Aus-  
tralia (March 2014)
20. ALFALFA HI data and combination with GAMA, Seminar, ICRAR/UWA, Perth,  
Australia (Dec 2013)
21. GAMA and Multiwavelength Analysis of Galaxies, Seminar, Cornell University, Ithaca  
USA (Oct 2013)
22. Image analysis and quality testing in GAMA, GAMA Busy-Week, Perth, Australia  
(June 2013)

**PUBLICATIONS** Information correct as of April 2021.

Online bibliographies:

- [ADS Library](#) (Used for citation statistics below)

Summary Statistics:

- Total publication = 78 [6 as lead author]
- Total citations = 2,430 [287]
- h-index = 28 [6]
- m-index (h-index / years since PhD =  $28/3.42$ ) = 8.19 [1.75]
- i10-index (Publications with more than 10 citations) = 48 [6]

**Ten Primary Journal Publications** (ordered by date)

Key: C = Citations (from NASA Astrophysics Data System)

1. Heymans, C., Tröster, T., Asgari, M., Blake, C., Hildebrandt, H., Joachimi, B., Kuijken, K., and 27 colleagues (2021), “KiDS-1000 Cosmology: Multi-probe weak gravitational lensing and spectroscopic galaxy clustering constraints”, *Astronomy and Astrophysics*, 646, A140 (C=81)
2. **Wright, A.H.**, Hildebrandt, H., van den Busch, J.L., Heymans, C., Joachimi, B., Kannawadi, A., and Kuijken, K. (2020), “KiDS+VIKING-450: Improved cosmological parameter constraints from redshift calibration with self-organising maps”, *Astronomy and Astrophysics*, 640, L14 (C=20)
3. **Wright, A.H.**, Hildebrandt, H., van den Busch, J.L., and Heymans, C. (2020), “Photometric redshift calibration with self-organising maps”, *Astronomy and Astrophysics*, 637, A100 (C=30)
4. Hildebrandt, H., Köhlinger, F., van den Busch, J.L., Joachimi, B., Heymans, C., Kannawadi, A., **Wright, A.H.**, and 21 colleagues (2020), “KiDS+VIKING-450: Cosmic shear tomography with optical and infrared data”, *Astronomy and Astrophysics*, 633, A69 (C=166)
5. **Wright, A.H.**, Hildebrandt, H., Kuijken, K., Erben, T., Blake, R., Buddelmeijer, H., Choi, A., and 18 colleagues (2019), “KiDS+VIKING-450: A new combined optical and near-infrared dataset for cosmology and astrophysics”, *Astronomy and Astrophysics*, 632, A34 (C=53)
6. **Wright, A.H.**, Driver, S.P., and Robotham, A.S.G. (2018), “GAMA/G10-COSMOS/3D-HST: Evolution of the galaxy stellar mass function over 12.5 Gyr”, *Monthly Notices of the Royal Astronomical Society*, 480, 3491 (C=27)
7. **Wright, A.H.**, Robotham, A.S.G., Driver, S.P., Alpaslan, M., Andrews, S.K., Baldry, I.K., Bland-Hawthorn, J., and 20 colleagues (2017), “Galaxy And Mass Assembly (GAMA): the galaxy stellar mass function to  $z = 0.1$  from the r-band selected equatorial regions”, *Monthly Notices of the Royal Astronomical Society*, 470, 283 (C=62)
8. Driver, S.P., **Wright, A.H.**, Andrews, S.K., Davies, L.J., Kafle, P.R., Lange, R., Moffett, A.J., and 59 colleagues (2016), “Galaxy And Mass Assembly (GAMA): Panchromatic Data Release (far-UV-far-IR) and the low- $z$  energy budget”, *Monthly Notices of the Royal Astronomical Society*, 455, 3911 (C=100)
9. **Wright, A.H.**, Robotham, A.S.G., Bourne, N., Driver, S.P., Dunne, L., Maddox, S.J., Alpaslan, M., and 24 colleagues (2016), “Galaxy And Mass Assembly: accurate panchromatic photometry from optical priors using LAMBDAR”, *Monthly Notices of the Royal Astronomical Society*, 460, 765 (C=95)
10. Liske, J., Baldry, I.K., Driver, S.P., Tuffs, R.J., Alpaslan, M., Andrae, E., Brough, S., and 63 colleagues (2015), “Galaxy And Mass Assembly (GAMA): end of survey report and data release 2”, *Monthly Notices of the Royal Astronomical Society*, 452, 2087 (C=322)

## Journal Publications

Key: C = Citations (from NASA Astrophysics Data System)

1. Euclid Collaboration, Ilbert, O., de la Torre, S., Martinet, N., Wright, A.H., Paltani, S., Laigle, C., Davidzon, and 158 colleagues (2021), “Euclid preparation: XI. Mean redshift determination from galaxy redshift probabilities for cosmic shear tomography”, *arXiv e-prints*, arXiv:2101.02228 (C=0)



2. Taylor, E.N., Cluver, M.E., Duffy, A., Gurri, P., Hoekstra, H., Sonnenfeld, A., Bremer, M.N., and 12 colleagues (2020), “GAMA + KiDS: empirical correlations between halo mass and other galaxy properties near the knee of the stellar-to-halo mass relation”, *Monthly Notices of the Royal Astronomical Society*, 499, 2896 (C=6)
3. Johnston, H., Wright, A.H., Joachimi, B., Bilicki, M., Chisari, N.E., Dvornik, A., Erben, T., and 6 colleagues (2020), “Organised Randoms: learning and correcting for systematic galaxy clustering patterns in KiDS using self-organising maps”, *arXiv e-prints*, arXiv:2012.08467 (C=2)
4. Stölzner, B., Joachimi, B., Korn, A., Hildebrandt, H., and Wright, A.H. (2020), “Self-calibration and robust propagation of photometric redshift distribution uncertainties in weak gravitational lensing”, *arXiv e-prints*, arXiv:2012.07707 (C=2)
5. Napolitano, N.R., Li, R., Spiniello, C., Tortora, C., Sergeyev, A., D’Ago, G., Guo, X., and 14 colleagues (2020), “Discovery of Two Einstein Crosses from Massive Post-blue Nugget Galaxies at  $z \lesssim 1$  in KiDS”, *The Astrophysical Journal*, 904, L31 (C=0)
6. Bell, C.P.M., Cioni, M.-R.L., Wright, A.H., Rubele, S., Nidever, D.L., Tatton, B.L., van Loon, J.T., and 19 colleagues (2020), “The intrinsic reddening of the Magellanic Clouds as traced by background galaxies - II. The Small Magellanic Cloud”, *Monthly Notices of the Royal Astronomical Society*, 499, 993 (C=2)
7. Vázquez-Mata, J.A., Loveday, J., Riggs, S.D., Baldry, I.K., Davies, L.J.M., Robotham, A.S.G., Holwerda, B.W., and 10 colleagues (2020), “Galaxy and mass assembly: luminosity and stellar mass functions in GAMA groups”, *Monthly Notices of the Royal Astronomical Society*, 499, 631 (C=1)
8. Thorne, J.E., Robotham, A.S.G., Davies, L.J.M., Bellstedt, S., Driver, S.P., Bravo, M., Bremer, M.N., and 7 colleagues (2020), “Deep Extragalactic Visible Legacy Survey (DEVILS): SED Fitting in the D10-COSMOS Field and the Evolution of the Stellar Mass Function and SFR- $M_*$  relation”, *arXiv e-prints*, arXiv:2011.13605 (C=1)
9. Robertson, N.C., Alonso, D., Harnois-Déraps, J., Darwish, O., Kannawad, A., Amon, A., Asgari, M., and 44 colleagues (2020), “Strong detection of the CMB lensingxgalaxy weak lensingcross-correlation from ACT-DR4,PlanckLegacy and KiDS-1000”, *arXiv e-prints*, arXiv:2011.11613 (C=0)
10. Tröster, T., Asgari, M., Blake, C., Cataneo, M., Heymans, C., Hildebrandt, H., Joachimi, B., and 23 colleagues (2020), “KiDS-1000 Cosmology: constraints beyond flat  $\Lambda$ CDM”, *arXiv e-prints*, arXiv:2010.16416 (C=7)
11. Schrabback, T., Hoekstra, H., Van Waerbeke, L., van Uitert, E., Georgiou, C., Asgari, M., Côté, P., and 15 colleagues (2020), “Tightening weak lensing constraints on the ellipticity of galaxy-scale dark matter haloes”, *arXiv e-prints*, arXiv:2010.00311 (C=0)
12. van den Busch, J.L., Hildebrandt, H., Wright, A.H., Morrison, C.B., Blake, C., Joachimi, B., Erben, T., and 3 colleagues (2020), “Testing KiDS cross-correlation redshifts with simulations”, *Astronomy and Astrophysics*, 642, A200 (C=14)
13. Blake, C., Amon, A., Asgari, M., Bilicki, M., Dvornik, A., Erben, T., Giblin, B., and 14 colleagues (2020), “Testing gravity using galaxy-galaxy lensing and clustering amplitudes in KiDS-1000, BOSS, and 2dFLenS”, *Astronomy and Astrophysics*, 642, A158 (C=10)
14. Dvornik, A., Hoekstra, H., Kuijken, K., Wright, A.H., Asgari, M., Bilicki, M., Erben, T., and 9 colleagues (2020), “KiDS+GAMA: The weak lensing calibrated stellar-to-halo mass relation of central and satellite galaxies”, *Astronomy and Astrophysics*, 642, A83 (C=3)

15. Bellstedt, S., Driver, S.P., Robotham, A.S.G., Davies, L.J.M., Bogue, C.R.J., Cook, R.H.W., Hashemizadeh, A., and 5 colleagues (2020), “Galaxy And Mass Assembly (GAMA): assimilation of KiDS into the GAMA database”, *Monthly Notices of the Royal Astronomical Society*, 496, 3235 (C=6)
16. Vakili, M., Hoekstra, H., Bilicki, M., Fortuna, M.-C., Kuijken, K., Wright, A.H., Asgari, M., and 9 colleagues (2020), “Clustering of red-sequence galaxies in the fourth data release of the Kilo-Degree Survey”, *arXiv e-prints*, arXiv:2008.13154 (C=5)
17. Schulze, S., Yaron, O., Sollerman, J., Leloudas, G., Gal, A., Wright, A.H., Lunnan, R., and 47 colleagues (2020), “The Palomar Transient Factory Core-Collapse Supernova Host-Galaxy Sample. I. Host-Galaxy Distribution Functions and Environment-Dependence of CCSNe”, *arXiv e-prints*, arXiv:2008.05988 (C=7)
18. Wright, A.H., Hildebrandt, H., van den Busch, J.L., Heymans, C., Joachimi, B., Kannawadi, A., and Kuijken, K. (2020), “KiDS+VIKING-450: Improved cosmological parameter constraints from redshift calibration with self-organising maps”, *Astronomy and Astrophysics*, 640, L14 (C=21)
19. Linke, L., Simon, P., Schneider, P., Erben, T., Farrow, D.J., Heymans, C., Hildebrandt, H., and 5 colleagues (2020), “KiDS+VIKING+GAMA: Testing semi-analytic models of galaxy evolution with galaxy-galaxy-galaxy lensing”, *Astronomy and Astrophysics*, 640, A59 (C=2)
20. Hildebrandt, H., van den Busch, J.L., Wright, A.H., Blake, C., Joachimi, B., Kuijken, K., Tröster, T., and 11 colleagues (2020), “KiDS-1000 catalogue: Redshift distributions and their calibration”, *arXiv e-prints*, arXiv:2007.15635 (C=19)
21. Asgari, M., Lin, C.-A., Joachimi, B., Giblin, B., Heymans, C., Hildebrandt, H., Kannawadi, A., and 18 colleagues (2020), “KiDS-1000 Cosmology: Cosmic shear constraints and comparison between two point statistics”, *arXiv e-prints*, arXiv:2007.15633 (C=54)
22. Heymans, C., Tröster, T., Asgari, M., Blake, C., Hildebrandt, H., Joachimi, B., Kuijken, K., and 27 colleagues (2020), “KiDS-1000 Cosmology: Multi-probe weak gravitational lensing and spectroscopic galaxy clustering constraints”, *arXiv e-prints*, arXiv:2007.15632 (C=55)
23. Giblin, B., Heymans, C., Asgari, M., Hildebrandt, H., Hoekstra, H., Joachimi, B., Kannawadi, A., and 15 colleagues (2020), “KiDS-1000 catalogue: Weak gravitational lensing shear measurements”, *arXiv e-prints*, arXiv:2007.01845 (C=13)
24. Joachimi, B., Lin, C.-A., Asgari, M., Tröster, T., Heymans, C., Hildebrandt, H., Köhlinger, F., and 20 colleagues (2020), “KiDS-1000 Methodology: Modelling and inference for joint weak gravitational lensing and spectroscopic galaxy clustering analysis”, *arXiv e-prints*, arXiv:2007.01844 (C=22)
25. Cluver, M.E., Jarrett, T.H., Taylor, E.N., Hopkins, A.M., Brough, S., Casura, S., Holwerda, B.W., and 3 colleagues (2020), “Galaxy and Mass Assembly (GAMA): Demonstrating the Power of WISE in the Study of Galaxy Groups to  $z \lesssim 0.1$ ”, *The Astrophysical Journal*, 898, 20 (C=6)
26. Joudaki, S., Hildebrandt, H., Traykova, D., Chisari, N.E., Heymans, C., Kannawadi, A., Kuijken, K., and 8 colleagues (2020), “KiDS+VIKING-450 and DES-Y1 combined: Cosmology with cosmic shear”, *Astronomy and Astrophysics*, 638, L1 (C=71)
27. Wright, A.H., Hildebrandt, H., van den Busch, J.L., and Heymans, C. (2020), “Photometric redshift calibration with self-organising maps”, *Astronomy and Astrophysics*, 637, A100 (C=28)

28. Asgari, M., Tröster, T., Heymans, C., Hildebrandt, H., van den Busch, J.L., Wright, A.H., Choi, A., and 8 colleagues (2020), “KiDS+VIKING-450 and DES-Y1 combined: Mitigating baryon feedback uncertainty with COSEBIs”, *Astronomy and Astrophysics*, 634, A127 (C=46)
29. Tröster, T., Sánchez, A.G., Asgari, M., Blake, C., Crocce, M., Heymans, C., Hildebrandt, H., and 5 colleagues (2020), “Cosmology from large-scale structure. Constraining  $\Lambda$ CDM with BOSS”, *Astronomy and Astrophysics*, 633, L10 (C=35)
30. Xia, Q., Robertson, N., Heymans, C., Amon, A., Asgari, M., Cai, Y.-C., Erben, T., and 8 colleagues (2020), “A gravitational lensing detection of filamentary structures connecting luminous red galaxies”, *Astronomy and Astrophysics*, 633, A89 (C=7)
31. Hildebrandt, H., Köhlinger, F., van den Busch, J.L., Joachimi, B., Heymans, C., Kannawadi, A., Wright, A.H., and 21 colleagues (2020), “KiDS+VIKING-450: Cosmic shear tomography with optical and infrared data”, *Astronomy and Astrophysics*, 633, A69 (C=152)
32. Wright, A.H., Hildebrandt, H., Kuijken, K., Erben, T., Blake, R., Buddelmeijer, H., Choi, A., and 18 colleagues (2019), “KiDS+VIKING-450: A new combined optical and near-infrared dataset for cosmology and astrophysics”, *Astronomy and Astrophysics*, 632, A34 (C=50)
33. Bell, C.P.M., Cioni, M.-R.L., Wright, A.H., Rubele, S., Nidever, D.L., Tatton, B.L., van Loon, J.T., and 12 colleagues (2019), “The intrinsic reddening of the Magellanic Clouds as traced by background galaxies - I. The bar and outskirts of the Small Magellanic Cloud”, *Monthly Notices of the Royal Astronomical Society*, 489, 3200 (C=3)
34. Holwerda, B.W., Kelvin, L., Baldry, I., Lintott, C., Alpaslan, M., Pimblett, K.A., Liske, J., and 17 colleagues (2019), “The Frequency of Dust Lanes in Edge-on Spiral Galaxies Identified by Galaxy Zoo in KiDS Imaging of GAMA Targets”, *The Astronomical Journal*, 158, 103 (C=6)
35. Vakili, M., Bilicki, M., Hoekstra, H., Chisari, N.E., Brown, M.J.I., Georgiou, C., Kannawadi, A., and 2 colleagues (2019), “Luminous red galaxies in the Kilo-Degree Survey: selection with broad-band photometry and weak lensing measurements”, *Monthly Notices of the Royal Astronomical Society*, 487, 3715 (C=8)
36. Kuijken, K., Heymans, C., Dvornik, A., Hildebrandt, H., de Jong, J.T.A., Wright, A.H., Erben, T., and 16 colleagues (2019), “The fourth data release of the Kilo-Degree Survey: ugri imaging and nine-band optical-IR photometry over 1000 square degrees”, *Astronomy and Astrophysics*, 625, A2 (C=63)
37. Petrillo, C.E., Tortora, C., Vernardos, G., Koopmans, L.V.E., Verdoes Kleijn, G., Bilicki, M., Napolitano, N.R., and 13 colleagues (2019), “LinKS: discovering galaxy-scale strong lenses in the Kilo-Degree Survey using convolutional neural networks”, *Monthly Notices of the Royal Astronomical Society*, 484, 3879 (C=21)
38. Kannawadi, A., Hoekstra, H., Miller, L., Viola, M., Fenech Conti, I., Herbonnet, R., Erben, T., and 5 colleagues (2019), “Towards emulating cosmic shear data: revisiting the calibration of the shear measurements for the Kilo-Degree Survey”, *Astronomy and Astrophysics*, 624, A92 (C=32)
39. Johnston, H., Georgiou, C., Joachimi, B., Hoekstra, H., Chisari, N.E., Farrow, D., Fortuna, M.C., and 4 colleagues (2019), “KiDS+GAMA: Intrinsic alignment model constraints for current and future weak lensing cosmology”, *Astronomy and Astrophysics*, 624, A30 (C=31)
40. Simon, P., Saghiha, H., Hilbert, S., Schneider, P., Boever, C., and Wright, A.H. (2019), “Comparison of the excess mass around CFHTLenS galaxy-pairs to predictions from

- a semi-analytic model using galaxy-galaxy-galaxy lensing”, *Astronomy and Astrophysics*, 622, A104 (C=5)
41. Eales, S.A., Baes, M., Bourne, N., Bremer, M., Brown, M.J.I., Clark, C., Clements, D., and 20 colleagues (2018), “The causes of the red sequence, the blue cloud, the green valley, and the green mountain”, *Monthly Notices of the Royal Astronomical Society*, 481, 1183 (C=15)
  42. Wright, A.H., Driver, S.P., and Robotham, A.S.G. (2018), “GAMA/G10-COSMOS/3D-HST: Evolution of the galaxy stellar mass function over 12.5 Gyr”, *Monthly Notices of the Royal Astronomical Society*, 480, 3491 (C=24)
  43. Wang, L., Norberg, P., Brough, S., Brown, M.J.I., da Cunha, E., Davies, L.J., Driver, S.P., and 8 colleagues (2018), “Galaxy and Mass Assembly (GAMA): The environmental dependence of the galaxy main sequence”, *Astronomy and Astrophysics*, 618, A1 (C=13)
  44. Gunawardhana, M.L.P., Norberg, P., Zehavi, I., Farrow, D.J., Loveday, J., Hopkins, A.M., Davies, L.J.M., and 7 colleagues (2018), “Galaxy And Mass Assembly (GAMA): the signatures of galaxy interactions as viewed from small-scale galaxy clustering”, *Monthly Notices of the Royal Astronomical Society*, 479, 1433 (C=1)
  45. Beeston, R.A., Wright, A.H., Maddox, S., Gomez, H.L., Dunne, L., Driver, S.P., Robotham, A., and 21 colleagues (2018), “GAMA/H-ATLAS: the local dust mass function and cosmic density as a function of galaxy type - a benchmark for models of galaxy evolution”, *Monthly Notices of the Royal Astronomical Society*, 479, 1077 (C=12)
  46. Treyer, M., Kraljic, K., Arnouts, S., de la Torre, S., Pichon, C., Dubois, Y., Vibert, D., and 9 colleagues (2018), “Group quenching and galactic conformity at low redshift”, *Monthly Notices of the Royal Astronomical Society*, 477, 2684 (C=11)
  47. Medling, A.M., Cortese, L., Croom, S.M., Green, A.W., Groves, B., Hampton, E., Ho, I.-T., and 38 colleagues (2018), “The SAMI Galaxy Survey: spatially resolving the main sequence of star formation”, *Monthly Notices of the Royal Astronomical Society*, 475, 5194 (C=47)
  48. Driver, S.P., Andrews, S.K., da Cunha, E., Davies, L.J., Lagos, C., Robotham, A.S.G., Vinsen, K., and 26 colleagues (2018), “GAMA/G10-COSMOS/3D-HST: the 0 < z < 5 cosmic star formation history, stellar-mass, and dust-mass densities”, *Monthly Notices of the Royal Astronomical Society*, 475, 2891 (C=82)
  49. Sreejith, S., Pereverzyev, S., Kelvin, L.S., Marleau, F.R., Haltmeier, M., Ebner, J., Bland-Hawthorn, J., and 11 colleagues (2018), “Galaxy And Mass Assembly: automatic morphological classification of galaxies using statistical learning”, *Monthly Notices of the Royal Astronomical Society*, 474, 5232 (C=9)
  50. Baldry, I.K., Liske, J., Brown, M.J.I., Robotham, A.S.G., Driver, S.P., Dunne, L., Alpaslan, M., and 35 colleagues (2018), “Galaxy And Mass Assembly: the G02 field, Herschel-ATLAS target selection and data release 3”, *Monthly Notices of the Royal Astronomical Society*, 474, 3875 (C=80)
  51. Shan, H., Liu, X., Hildebrandt, H., Pan, C., Martinet, N., Fan, Z., Schneider, P., and 15 colleagues (2018), “KiDS-450: cosmological constraints from weak lensing peak statistics - I. Inference from analytical prediction of high signal-to-noise ratio convergence peaks”, *Monthly Notices of the Royal Astronomical Society*, 474, 1116 (C=48)
  52. Kraljic, K., Arnouts, S., Pichon, C., Laigle, C., de la Torre, S., Vibert, D., Cadiou, C., and 15 colleagues (2018), “Galaxy evolution in the metric of the cosmic web”, *Monthly Notices of the Royal Astronomical Society*, 474, 547 (C=67)

53. Eales, S., Smith, D., Bourne, N., Loveday, J., Rowlands, K., van der Werf, P., Driver, S., and 18 colleagues (2018), “The new galaxy evolution paradigm revealed by the Herschel surveys”, *Monthly Notices of the Royal Astronomical Society*, 473, 3507 (C=27)
54. Kettlety, T., Hesling, J., Phillipps, S., Bremer, M.N., Cluver, M.E., Taylor, E.N., Bland-Hawthorn, J., and 7 colleagues (2018), “Galaxy and mass assembly (GAMA): the consistency of GAMA and WISE derived mass-to-light ratios”, *Monthly Notices of the Royal Astronomical Society*, 473, 776 (C=13)
55. Westmeier, T., Obreschkow, D., Calabretta, M., Jurek, R., Koribalski, B.S., Meyer, M., Musaeva, A., and 4 colleagues (2017), “A deep Parkes H I survey of the Sculptor group and filament: H I mass function and environment”, *Monthly Notices of the Royal Astronomical Society*, 472, 4832 (C=10)
56. Andrews, S.K., Driver, S.P., Davies, L.J.M., Kafle, P.R., Robotham, A.S.G., Vinsen, K., Wright, A.H., and 11 colleagues (2017), “Galaxy And Mass Assembly: the evolution of the cosmic spectral energy distribution from  $z = 1$  to  $z = 0$ ”, *Monthly Notices of the Royal Astronomical Society*, 470, 1342 (C=14)
57. Wright, A.H., Robotham, A.S.G., Driver, S.P., Alpaslan, M., Andrews, S.K., Baldry, I.K., Bland-Hawthorn, J., and 20 colleagues (2017), “Galaxy And Mass Assembly (GAMA): the galaxy stellar mass function to  $z = 0.1$  from the r-band selected equatorial regions”, *Monthly Notices of the Royal Astronomical Society*, 470, 283 (C=61)
58. Davies, L.J.M., Huynh, M.T., Hopkins, A.M., Seymour, N., Driver, S.P., Robotham, A.G.R., Baldry, I.K., and 16 colleagues (2017), “Galaxy And Mass Assembly: the 1.4 GHz SFR indicator,  $\text{SFR-M}_{\text{SUBz}}^*/\text{SUBz}$  relation and predictions for ASKAP-GAMA”, *Monthly Notices of the Royal Astronomical Society*, 466, 2312 (C=23)
59. De Vis, P., Dunne, L., Maddox, S., Gomez, H.L., Clark, C.J.R., Bauer, A.E., Viaene, S., and 15 colleagues (2017), “Herschel -ATLAS: revealing dust build-up and decline across gas, dust and stellar mass selected samples - I. Scaling relations”, *Monthly Notices of the Royal Astronomical Society*, 464, 4680 (C=33)
60. Andrews, S.K., Driver, S.P., Davies, L.J.M., Kafle, P.R., Robotham, A.S.G., and Wright, A.H. (2017), “G10/COSMOS: 38 band (far-UV to far-IR) panchromatic photometry using LAMBDAR”, *Monthly Notices of the Royal Astronomical Society*, 464, 1569 (C=32)
61. Williams, R.P., Baldry, I.K., Kelvin, L.S., James, P.A., Driver, S.P., Prescott, M., Brough, S., and 7 colleagues (2016), “Galaxy And Mass Assembly (GAMA): detection of low-surface-brightness galaxies from SDSS data”, *Monthly Notices of the Royal Astronomical Society*, 463, 2746 (C=14)
62. Bourne, N., Dunne, L., Maddox, S.J., Dye, S., Furlanetto, C., Hoyos, C., Smith, D.J.B., and 23 colleagues (2016), “The Herschel-ATLAS Data Release 1 - II. Multi-wavelength counterparts to submillimetre sources”, *Monthly Notices of the Royal Astronomical Society*, 462, 1714 (C=55)
63. Lange, R., Moffett, A.J., Driver, S.P., Robotham, A.S.G., Lagos, C. del P., Kelvin, L.S., Conselice, C., and 21 colleagues (2016), “Galaxy And Mass Assembly (GAMA):  $M_{\text{star}} - R_e$  relations of  $z = 0$  bulges, discs and spheroids”, *Monthly Notices of the Royal Astronomical Society*, 462, 1470 (C=55)
64. Driver, S.P., Andrews, S.K., Davies, L.J., Robotham, A.S.G., Wright, A.H., Windhorst, R.A., Cohen, S., and 3 colleagues (2016), “Measurements of Extragalactic Background Light from the Far UV to the Far IR from Deep Ground- and Space-based Galaxy Counts”, *The Astrophysical Journal*, 827, 108 (C=61)

65. Wright, A.H., Robotham, A.S.G., Bourne, N., Driver, S.P., Dunne, L., Maddox, S.J., Alpaslan, M., and 24 colleagues (2016), “Galaxy And Mass Assembly: accurate panchromatic photometry from optical priors using LAMBDA<sup>R</sup>”, *Monthly Notices of the Royal Astronomical Society*, 460, 765 (C=88)
66. Rodrigues, M., Foster, C., Taylor, E.N., Wright, A.H., Hopkins, A.M., Baldry, I., Brough, S., and 6 colleagues (2016), “Galaxy And Mass Assembly (GAMA): Improved emission lines measurements in four representative samples at  $0.07 < z < 0.3$ ”, *Astronomy and Astrophysics*, 590, A18 (C=1)
67. Driver, S.P., Wright, A.H., Andrews, S.K., Davies, L.J., Kafle, P.R., Lange, R., Moffett, A.J., and 59 colleagues (2016), “Galaxy And Mass Assembly (GAMA): Panchromatic Data Release (far-UV-far-IR) and the low- $z$  energy budget”, *Monthly Notices of the Royal Astronomical Society*, 455, 3911 (C=95)
68. Liske, J., Baldry, I.K., Driver, S.P., Tuffs, R.J., Alpaslan, M., Andrae, E., Brough, S., and 63 colleagues (2015), “Galaxy And Mass Assembly (GAMA): end of survey report and data release 2”, *Monthly Notices of the Royal Astronomical Society*, 452, 2087 (C=300)
69. Clark, C.J.R., Dunne, L., Gomez, H.L., Maddox, S., De Vis, P., Smith, M.W.L., Eales, S.A., and 16 colleagues (2015), “Herschel-ATLAS: the surprising diversity of dust-selected galaxies in the local submillimetre Universe”, *Monthly Notices of the Royal Astronomical Society*, 452, 397 (C=41)
70. Davies, L.J.M., Driver, S.P., Robotham, A.S.G., Baldry, I.K., Lange, R., Liske, J., Meyer, M., and 3 colleagues (2015), “Galaxy And Mass Assembly (GAMA): curation and reanalysis of 16.6k redshifts in the G10/COSMOS region”, *Monthly Notices of the Royal Astronomical Society*, 447, 1014 (C=47)
71. Webb, J.K., Wright, A., Koch, F.E., and Murphy, M.T. (2014), “Enhanced heavy magnesium isotopes in quasar absorption systems and varying  $\alpha$ .”, *Memorie della Societa Astronomica Italiana*, 85, 57 (C=7)
72. Koch, F.E. and Wright, A.H. (2012), “Can Effects of Dark Matter Be Explained by the Turbulent Flow of Spacetime?”, *Journal of Modern Physics*, 3, 1123 (C=0)