

Possible papers for Journal Club 2017 -

[arXiv:1710.02451](#)

Evaluating backreaction with the ellipsoidal collapse model
Francesco Montanari and Syksy Räsänen

[arXiv:1708.09143](#)

Towards concordance cosmology with emerging spatial curvature
Krzysztof Bolejko

[arXiv:1708.07552](#)

Perturbed redshifts from N-body simulations
Julian Adamek

[arXiv:1708.07547](#)

Cosmicflows-3: Cold Spot Repeller?
Helene M. Courtois, R. Brent Tully, Yehuda Hoffman, Daniel Pomarede, Romain Graziani, Alexandra Dupuy

[arXiv:1707.08056](#)

A Quasi-Static Approach to Structure Formation in Black Hole Universes
Jessie Durk, Timothy Clifton

[arXiv:1707.08056](#)

Relativistic N-body simulations with massive neutrinos
Julian Adamek, Ruth Durrer, Martin Kunz

[arXiv:1707.06755](#)

Reanalysis of the BICEP2, Keck and Planck Data: No Evidence for Gravitational Radiation
J. Richard Gott, Wesley N. Colley

[arXiv:1707.06547](#)

Elucidating Λ CDM: Impact of Baryon Acoustic Oscillation Measurements on the Hubble Constant Discrepancy
G. E. Addison, D. J. Watts, C. L. Bennett, M. Halpern, G. Hinshaw, J. L. Weiland

[arXiv:1707.06640](#)

General Relativistic Corrections to the Weak Lensing Convergence Power Spectrum
John T. Giblin, James B. Mertens, Glenn D. Starkman, Andrew R. Zentner

[arXiv:1707.01800](#) **Discussed 27/7/27**

Emergence of spatial curvature
Krzysztof Bolejko

[arXiv:1706.09383](#)

Weak gravitational lensing of finite beams
Pierre Fleury, Julien Larena, Jean-Philippe Uzan

[arXiv:1706.09309](#) **Discussed 27/7/27**

Safely smoothing spacetime: backreaction in relativistic cosmological simulations
Julian Adamek, Chris Clarkson, David Daverio, Ruth Durrer, Martin Kunz

[arXiv:1705.02420](#)

Reconstructing the gravitational field of the local universe
Harry Desmond, Pedro G. Ferreira, Guilhem Lavaux, Jens Jasche

[arXiv:1703.07714](#)

High redshift radio galaxies and divergence from the CMB dipole
J. Colin, R. Mohayaee, M. Rameez, S. Sarkar

[arXiv:1703.09376](#)

Post-Newtonian Jeans analysis
Elham Nazari, Ali Kazemi, Mahmood Roshan, Shahram Abbassi

[arXiv:1703.01275](#)

The Linear Point: A cleaner cosmological standard ruler
Stefano Anselmi, Glenn D. Starkman, Pier-Stefano Corasaniti, Ravi K. Sheth, Idit Zehavi

[arXiv:1703.00363](#)

A Phase Change scenario for Galaxy Formation
M J Disney

[arXiv:1702.06643](#)

Mimicking Dark Energy with the backreactions of gigaparsec inhomogeneities
Sebastien Clesse, Arnaud Roisin, André Füzfa

[arXiv:1702.06509](#)

Do joint CMB and HST data support a scale invariant spectrum?
Micol Benetti, Leila L. Graef, Jailson S. Alcaniz

[arXiv:1701.00819](#)

Non-Spherical Szekeres models in the language of Cosmological Perturbations
Roberto A. Sussman, Juan Carlos Hidalgo, Ismael Delgado Gaspar, Gabriel German

[arXiv:1701.00173](#)

Modified Gravity and Large Scale Flows, a Review
Jeremy Mould