

# Semyeong Oh

Department of Astrophysical Sciences  
Princeton University  
4 Ivy Ln, Princeton, NJ 08540

Email: [semyeong@astro.princeton.edu](mailto:semyeong@astro.princeton.edu)  
Homepage: <http://smoh.space>

## Research Interests

dynamics of disruption of stellar multiples revealed by *Gaia*; scientific applications of statistical inference and machine learning

## Education

Ph.D. Astrophysics, Princeton University, 2018. 8. (expected) advisor: David N. Spergel

M.A. Astrophysics, Princeton University, 2015. 6.

B.Sc. Physics, Seoul National University, 2011. 2.

## Publications [arXiv](#) [ADS](#)

4. *Comoving Stars in Gaia DR1: An Abundance of Very Wide Separation Comoving Pairs*, AJ, 153, 257, 2017, **Oh, S.**, Price-Whelan, A. M., Hogg, D. W. *et al.* [arXiv:1612.02440](#)
3. *Testing the Presence of Multiple Photometric Components in Nearby Early-type Galaxies using SDSS*, ApJ, 836, 115, 2017, **Oh, S.**, Greene, J. E., Lackner, C. N. [arXiv:1612.06495](#)
2. *The Active Galactic Nucleus Population in X-Ray-selected Galaxy Groups at  $0.5 < z < 1.1$* , ApJ, 790, 43, 2014, **Oh, S.**, Mulchaey, J. S., Woo, J.-H. *et al.* [arXiv:1406.3059](#)
1. *The Extended Narrow-line Region of Two Type-I Quasi-stellar Objects*, ApJ, 767, 117, 2013, **Oh, S.**, Woo, J.-H., Bennert, V. N. *et al.* [arXiv:1303.6212](#)

## Proceedings

1. Detecting Gas Outflows in Type-2 AGNs Selected from the Sloan Digital Sky Survey, IAUS, 292, 2013, Bae, H.-J. and Woo, J.-H. and **Oh, S.**

## Talks

6. 2017-05 Comoving stars in Gaia DR 1, Thunch, Princeton University
5. 2017-02 Comoving stars in Gaia DR 1, AMNH, NY
4. 2012-08 Outflows in Two type-I PG QSOs, IAU General Assembly IAUS 292, Beijing, China (Poster)
3. 2012-06 Spatially-resolved narrow-line region of two type-I QSOs, Black Hole Universe 2012, Bamberg, Germany (Poster)
2. 2011-10 Narrow-line regions of type I QSOs, Korean Astronomical Society Fall Meeting, Jeju, Korea
1. 2011-04 Narrow-line region of two radio-quiet quasars, Korean Astronomical Society Spring Meeting, Chung-buk, Korea (Poster)

## Honors & Awards

2012-08 – 2013-02 Graduate Fellowship, Seoul National University

2011-03 – 2012-08 Brain Korea 21 Graduate Scholarship, Seoul National University

2007-03 – 2011-02 National Science & Engineering Scholarship, Korean Student Aid Foundation

## Observing

2017-03 Hiltner 2.4m, MDM Observatory, AZ (6 nights)

## Teaching

2015 Spring, Assistant in Instruction, Princeton University AST401 Cosmology by Neta Bahcall

2013 Spring, Assistant in Instruction, Princeton University AST401 Cosmology by Neta Bahcall

Last updated: August 7, 2017