2021 Virtual DDA Meeting Schedule

2021 Virtual 52nd Annual Meeting of the DDA

Q&A/Discussion Webinar Schedule

See the main meeting website for registration information: https://aas.org/meetings/dda52 [1]

The abstracts are available via NASA/ADS [2] and in a Google Doc here: DDA-52-Abstract-Book [3]

Many of the pre-recorded presentations and PDF posters are now linked below for public viewing! (All presentations are available for viewing on the registrant-only DDA meeting website [4].)

All times below are EDT (UTC-4)

Monday, May 17			
11:30-12:00 EDT		virtual coffee/socializing	
12:00-12:05 EDT		Ruth Murray-Clay (SOC Chair, DDA Vice-Chair)	Welcome/Announcements
12:05-12:30 EDT		**Evolution and Migration in Exoplanet Systems: Hot and Warm Jupiters (Session 100)** Chair: Sarah Millholland	
	Rebekah Dawson	Pennsylvania State University	Precise Characterization of a 2:1 Resonant Pair: The Warm Jupiter TOI-216c and Eccentric Warm Neptune TOI-216b -- link to recording [5]
	Jonathan Jackson	Pennsylvania State University	Observable Predictions from Perturber-coupled High-eccentricity Migration of Warm Jupiters -- link to recording [6]
	Mor Rozner	Technion – Israel Institute of Technology	Origin Of Hot & Warm Jupiters From Enhanced High Eccentricity Migration -- link to recording [7]
	Malena Rice	Yale University	Revisiting the Dynamics of the HD 80606 Planetary System

	Kassandra Anderson	Princeton University	On a Possible Solution to the Tidal Realignment Problem for Hot Jupiters -- link to recording [8]
12:30-12:50 EDT		**Evolution and Migration in Exoplanet Systems: Sub-Neptunes and Super-Earths (Session 101)** Chair: Rebekah Dawson	
	Sam Hadden	Harvard-Smithsonian Center for Astrophysics	Inferring Migration Histories of Resonant Planets
	Mariah MacDonald	Pennsylvania State University	Constraining the formation of super-Earths via resonances -- link to recording [9]
	Juliette Becker	Caltech	Forming Ultra-Short-Period Planets Via Disk Migration in a Sub-Keplerian Disk -- link to recording [10]
	Isabel Angelo	University of California, Los Angeles	Origin of Kepler-1656b's Extreme Eccentricity -- link to recording [11]
13:00-14:30 EDT		**Plenary Session (Session 102)** **Invited Seminar** Chair: Smadar Naoz	
	Sherard Robbins	Visceral Change	Power and Privilege
14:30-15:00 EDT		break	
15:00-15:30 EDT		**Advances in Simulations of Exoplanet Evolution (Session 103)** Chair: Daniel Tamayo	
	Daniel Scheeres	University of Colorado, Boulder	Tracking the Minimum Energy Function of Disassociated N-Body Systems
	David Hernandez	Center for Astrophysics | Harvard & Smithsonian	Are long term N-body simulations reliable?
	Shirui Peng	California Institute of Technology	Interactions Among Non-Interacting Particles in Planet Formation Simulations -- link to recording [12]
	Gongjie Li	Georgia Institute of Technology	GRIT: a simulation package for GRavitationally InteracTing Rigid-Bodies -- link to

			recording [13]
	Steven Kreyche	University of Idaho	Exploring tidal obliquity variations with SMERCURY-T -- PDF Poster [14]
	Jackson Barnes	Michigan State University	The Role of Gravitational Collapse in Planetesimal Formation
15:30-15:55 EDT		**Dynamical Stability in Exoplanet Systems (Session 104)**	
		Chair: Dimitri Veras	
	Daniel Tamayo	Princeton University	On the mechanisms for instabilities in compact multiplanet systems -- link to recording [15]
	Daniel Jones	Brigham Young University	Constraining the Physical and Orbital Parameters of Kepler Systems using Stability Criteria
	Sacha Gavino	Niels Bohr Institute	Anomalously long-lived compact configurations in three-planet systems -- link to recording [16]
	Aleksandr Mylläri	St. George's University	Testing the three-body stability limit at very long time
	Samuel Yee	Princeton University	How Close are Compact Multi-Planet Systems to the Stability Limit?
	Elizabeth Ellithorpe	University of Oklahoma	Possible Origins of Planetary Spin-Orbit Misalignment in Binary Systems -- link to recording [17]
15:55-16:00 EDT		short break	
16:00-16:15 EDT		**Dynamics of Dark Matter (Session 105)**	
		Chair: Elena D'Onghia	
	Jorge Moreno	Pomona College	(Invited) Dark matter free galaxies in LCDM
	Sioree Ansar	Indian Institute of Astrophysics, Bangalore, Center for Computational Astrophysics, Flatiron Institute	Determining Dark Matter Halo Properties using Visible Matter Observations of galaxies: A novel technique applied to high spinning halo of UGC5288
	Hayden Foote	University of Arizona	Studying Dynamical Friction on the Large Magellanic Cloud as a Dark Matter Probe
16:15-16:40 EDT		**Impacts, Collisions, and Disruptions (Session 106)**	

		Chair: Matija Cuk	
	Konstantin Batygin	California Institute of Technology	Formation of Galilean Satellites in a Decretion Disk -- link to recording [18]
	Sierra Ferguson	Arizona State University	Examination of elliptical craters on Saturn's moons Tethys and Dione constrain their ages and origin
	Gavin Brown	University of Colorado Boulder	Loss of Energy and Angular Momentum in Disrupting N-body Systems
	Matthew Clement	Carnegie Institution of Washington	Dynamical avenues for Mercury's enigmatic origin -- link to recording [19]
	Oscar Fuentes-Munoz	University of Colorado Boulder	NEO collision and close flyby probabilities using semi-analytical long-term propagation -- link to recording [20]
16:40-17:00 EDT		end of day virtual socializing	

Tuesday, May 18

11:30-12:00 EDT		virtual coffee/socializing	
12:00-12:35 EDT		**Dynamics Leading to Gravitational Waves (Session 200)**	
		Chair: Rosemary Wyse	
	Carl Rodriguez	Carnegie Mellon University	(Invited) Dynamical Formation of LIGO's Binary Black Hole Mergers -- link to recording [21]
	Yubo Su	Cornell University	Spin-Orbit Misalignments in Tertiary-Induced Black-Hole Binary Mergers: Theoretical Analysis -- link to recording [22]
	Michelle Vick	CIERA, Northwestern University	The Impact of Tidal Dissipation on the Eccentric Onset of Common Envelope Phases -- link to recording [23]
	Tatsuya Akiba	University of Colorado	**(Duncombe Student**

		Boulder	**Research Prize Winner)** The Beginning of an END -- link to recording [24]
	Smadar Naoz	University of California, Los Angeles	Gravitational Wave Sources at the Heart of Galaxies -- link to recording [25]
	Huiyi Wang	UCLA	Gravitational-Wave Signatures from Compact Object Binaries in the Galactic Center
12:35-12:50 EDT		**Clusters (Session 201)**	
		Chair: Rosemary Wyse	
	Aleksey Generozov	University of Colorado	Origin of the S star cluster
	Laura Watkins	AURA for ESA, ESA Office, Space Telescope Science Institute	Energy Equipartition in Galactic Globular Clusters -- link to recording [26]
	Vaclav Pavlik	Indiana University	Star cluster evolution towards energy equipartition
12:50-13:00 EDT		short break	
13:00-14:00 EDT		**Plenary Session (Session 202)**	
		Townhall Discussion about DEI Moderated by Sherard Robbins	
		Chair: Ruth Murray-Clay	
14:00-14:05 EDT		short break	
14:05-14:25 EDT		**Special Session**	
		The Dynamics of Building a Dynamics Community: Strategies to make graduate programs more inclusive (Session 203)	
		Chair: Kat Volk	
	Smadar Naoz	University of California, Los Angeles	DEI efforts at UCLA physics and astronomy department
	Michael Petersen	University of Edinburgh	The Royal Observatory Edinburgh Institute for Astronomy's experience building an Diversity, Equity, and Inclusion team
14:25-15:00 EDT		**Evolution of Stellar Multiples (Session 204)**	
		Chair: Smadar Naoz	
	Tjarda Boekholt	University of Oxford	Gargantuan chaotic gravitational three-body

			systems and their irreversibility to the Planck length
	Eliot Halley Vrijmoet	RECONS/Georgia State University	Orbital Architectures of M Dwarf Systems -- PDF Poster [27]
	John Zanazzi	University of Toronto	Tidal Circularization of Binaries by Resonance Locking -- link to recording [28]
	Logan Pearce	University of Arizona	An investigation of chaotic planetary dynamics induced by the wide stellar binary companion to Boyajian's Star
	Marguerite Epstein-Martin	California Institute of Technology	Exciting Stellar Obliquities in Triple Star Systems
	Silvia Toonen	University of Amsterdam	(Invited) The evolution of stellar triples
15:00-15:30 EDT		break	
15:30-15:55 EDT		**Tides and Interiors (Session 205)**	
		Chair: Marina Brozovic	
	Matija Cuk	SETI Institute	Recent Orbital Evolution of the Inner Moons of Saturn -- link to recording [29]
	Jean-Luc Margot	University of California, Los Angeles	Measurements of the spin axis precession and length-of-day variations of Venus -- link to recording [30]
	Alyssa Rhoden	Southwest Research Institute	The effects of bombardment on the thermal-orbital evolution of icy satellites
	Matthew Walker	Planetary Science Institute	Tidal Heating of Ice Shells with Variable Eccentricity -- link to recording [31]
	Joseph A'Hearn	University of Idaho	Ice Giant Ring Seismology
15:55-16:00 EDT		short break	
16:00-16:25 EDT		**Physical Structures of Exoplanets, Accretion, and Impacts (Session 206)**	
		Chair: Christopher O'Connor	
	Spencer Wallace	University of Washington, Seattle	Understanding Planetesimal Accretion at Short Orbital Periods -- link to recording [32]
	Jiayin Dong	Penn State	**(Duncombe Student Research Prize**

			Winner) Boundary Layer Circumplanetary Accretion: How Fast Could an Unmagnetized Planet Spin Up Through Its Disk?
	Nader Haghighipour	Planetary Science Institute	Accurate Calculations of Planetesimal-Envelope Interactions in the Core Accretion Model
	Renata Frelikh	UC Santa Cruz	Clues in the Giant Exoplanet Eccentricity Distribution Point to Planet-Planet Impacts -- link to recording [33]
	Santiago Torres	UCLA	Raining Rocks in Exo-Worlds
16:25-17:00 EDT		end of day virtual socializing	

Wednesday, May 19

11:30-12:00 EDT		virtual coffee/socializing	
12:00-12:45 EDT		**Plenary Session (Session 300)** **Vera Rubin Early Career Prize Lecture** Chair: Ruth Murray-Clay	
	Jacqueline Faherty	American Museum of Natural History	Tales in Stellar Motion
12:45-12:50 EDT		short break	
12:50-13:20 EDT		**Special Session** **How Gaia reveals the Galaxy's secrets: results local to the Sun (Session 301)** Chair: Robyn Sanderson	
	Ruth Angus	AMNH & Flatiron	(Invited) Kinematic ages for cool stars -- link to recording [34]
	J. Davy Kirkpatrick	Caltech.IPAC	(Invited) Using Gaia Astrometry to Anchor Parallaxes for Nearby Brown Dwarfs
	Raquel Martinez	University of Texas, Austin	(Invited) Leveraging Large-Sky Surveys in the *Gaia* Era to Reveal the Nature of Wide Substellar Companions -- link to recording [35]
	Daniella Bardalez Gagliuffi	American Museum of Natural History	(Invited) System Architectures as Fossils of Brown Dwarf and

			Giant Planet Formation -- link to recording [36]
	Zephyr Penoyre	University of Cambridge	Identifying Unresolved Binaries from Astrometric Error -- link to recording [37]
	Melinda Soares-Furtado	University of Wisconsin-Madison	(Invited) Using Gaia to Search for Planetary Engulfment Sites
	Wilma Trick	Max Planck Institute for Astrophysics	(Invited) The Galactic bar's outer Lindblad resonance (OLR) in Gaia's action-angle space
13:20-13:25 EDT		short break	
13:25-13:55 EDT		**Special Session** **How Gaia reveals the Galaxy's secrets: from local to galactic scale (Session 302)** Chair: Sukanya Chakrabarti	
	Aneesh Naik	University of Nottingham	The Local Acceleration Field: Insights from Deep Learning -- link to recording [38]
	Catherine Zucker	Harvard University	(Invited) Probing the Structure and Dynamics of our Local Interstellar Medium with *Gaia* -- link to recording [39]
	Cameren Swiggum	University of Wisconsin	Feedback-induced Radial Expansion at the Core of the Orion Complex -- link to recording [40]
	Keith Hawkins	University of Texas, Austin	(Invited) Galactic Archaeology: Understanding our Milky Way through Chemodynamics
	Adrian Price-Whelan	Flatiron Institute	(Invited) Orbital Torus Imaging: Using Element Abundances to Map Orbits and Mass in the Milky Way -- link to recording [41]
	Tommaso Marchetti	European Southern Observatory	(Invited) Searching for unbound stars in Gaia EDR3 -- link to recording [42]
13:55-14:00 EDT		short break	
14:00-14:25 EDT		**Population-Level Exoplanet Demographics (Session 303)** Chair: Alexander Stephan	
	Thea Faridani	UCLA	Hiding Planets Near and

			Far: Predicting Hidden Companions for Known Planetary Systems
	Emily Safsten	The Pennsylvania State University	Nature versus Nurture: Using a Bayesian framework to study correlations between planetary properties and stellar ages
	Phoebe Sandhaus	Pennsylvania State University	Simulating the Effects of Outer Giant Planets on Inner Super-Earths with In Situ Formation Models
	Sarah Millholland	Princeton University	Evidence for a Non-Dichotomous Solution to the Kepler Dichotomy -- link to recording [43]
	Christopher Spalding	Princeton University	Metallicity matters in the tidal damping of stellar obliquities -- link to recording [44]
14:25-14:30 EDT		short break	
14:30-14:55 EDT		**Orbital Resonance in Multi-Planet Systems (Session 304)** Chair: Sam Hadden	
	Nora Bailey	University of Chicago	Planetary Period Ratio Sculpting Near Second-Order Mean-Motion Resonances -- link to recording [45]
	Max Goldberg	California Institute of Technology	**(Duncombe Student Research Prize Winner)** A Tidal Origin for a 3-body Resonance in Kepler-221
	Jack Lissauer	NASA Ames Research Center	Three-Body Resonances Among Kepler Planets
	Darin Ragozzine	Brigham Young University	Towards a Photodynamical Analysis of all Kepler Multi-Transiting Systems -- link to recording [46]
	Drew Weisserman	University of Michigan	A Dynamical Analysis of the Kepler-80 System of Six Transiting Planets
14:55-15:30 EDT		break	
15:30-15:55 EDT		**The Hill Sphere, Trojans, Horseshoe Orbits, and Resonances (Session 305)** Chair: Althea Moorhead	

	Kat Volk	University of Arizona	Mapping Neptune's resonances into the distant solar system -- link to recording [47]
	Conor Benson	University of Colorado	Resonant Tumbling YORP for Defunct Artificial Satellites -- link to recording [48]
	Jose Castro-Cisneros	University of Arizona	Near-Earth Asteroid Kamo`oalewa as Lunar Ejecta
	Renu Malhotra	University of Arizona	What really goes on in the chaotic zones of the planets, from Earth to Neptune
	Travis Yeager	Lawrence Livermore National Lab	The Lifetimes of Earth Trojan Asteroids and Tadpole Orbits
15:55-16:00 EDT		short break	
16:00-17:00 EDT		**Mentoring Event** Chair: Juliette Becker	
17:00-17:30 EDT		**Student Discussion with Rubin Prize Speaker** Chair:	
17:00-17:30 EDT		end of day virtual socializing	

Thursday, May 20

11:30-12:15 EDT		**Plenary Session (Session 400)** **Dirk Brouwer Career Prize Lecture** Chair: Kat Volk	
	Lennart Lindegren	Lund University	Models and Methods in Optical Astrometry
12:15-12:20 EDT		short break	
12:20-12:50 EDT		**Special Session** **How Gaia Reveals the Galaxy's Secrets: Results on the Galactic Scale Part 1 (Session 401)** Chair: Melinda Soares-Furtado	
	Sukanya Chakrabarti	Rochester Institute of Technology	(Invited) Fundamental Galactic parameters from direct acceleration measurements -- link to recording [49]

	Elena D'Onghia	University of Wisconsin, Madison	(Invited) Footprints of the bar and spiral-arm resonances in the solar neighborhood from Gaia-EDR3
	Stacy McGaugh	Case Western Reserve University	The Imprint of Spiral Arms on the Galactic Rotation Curve -- link to recording [50]
	Zhaozhou Li	Shanghai Jiao Tong University	A Novel Dynamical Modeling Method Based on the Data-driven Distribution Function
	Andres del Pino Molina	Space Telescope Science Institute	Machine Learning glasses for the eyes of Gaia: The Sagittarius Dwarf Spheroidal Galaxy in 6D. -- link to recording [51]
	Ana Bonaca	Harvard University	(Invited) Reconstruction of the dark matter distribution in the Milky Way -- link to recording [52]
13:00-13:30 EDT		**Special Session** **How Gaia Reveals the Galaxy's Secrets: Results on the Galactic Scale Part 2 (Session 402)** Chair: Ana Bonaca	
	Alis Deason	Durham University	(Invited) The Galactic Halo in the Gaia Era
	Michael Petersen	University of Edinburgh	Bringing Milky Way and Large Magellanic Cloud potentials to life to explain the Milky Way halo disequilibrium
	Carrie Filion	The Johns Hopkins University	Little Galaxy, Big Envelope: Blue Stars in the Outskirts of the Boötes I Ultra Faint Dwarf Galaxy
	Rachael Beaton	Princeton University	(Invited) Gaia Parallaxes and the ExtraGalctic Distance Scale -- link to recording [53]
	Annie Robin	Institut Utinam	(Invited) A fully consistent dynamical model of the Milky Way facing Gaia data
13:30-14:00 EDT		break	
14:00-14:25 EDT		**Galactic Streams and Structures (Session 403)** Chair: Alis Deason	

	Eric Mendelsohn	Rensselaer Polytechnic Institute	Estimate of the Mass and Radial Profile of the Orphan Stream's Dwarf Galaxy Progenitor Using MilkyWay @ home
	Tjitske Starkenburg	Northwestern University	Debris at the low-mass end: predictions for stellar halos, streams and shells around the LMC and its siblings
	Thomas Donlon	Rensselaer Polytechnic Institute	A Trifurcated Sagittarius Stream in the South -- link to recording [54]
	Arpit Arora	University of Pennsylvania	On the adiabaticity of action space clustering of tidal streams via potential modelling
	Scott Lucchini	University of Wisconsin - Madison	The Magellanic Stream: Implications of the Magellanic Corona and new Orbital Histories of the Clouds
14:25-14:45 EDT		**Galactic Morphologies and Mergers (Session 404)** Chair: Adrian Price-Whelan	
	Dhanesh Krishnarao	Space Telescope Science Institute	Finding the Ultra-Harmonic Resonance from Photometry Alone
	Nicolas Garavito-Camargo	University of Arizona	The clustering of orbital poles in the Milky Way's halo induced by the Large Magellanic Cloud -- link to recording [55]
	Katie Chamberlain	University of Arizona	Frequency and Dynamics of Dwarf Galaxy Pairs over Cosmic Time
14:45-14:50 EDT		short break	
14:50-15:20 EDT		**Populations of Small Bodies (Session 405)** Chair: Joseph Spitale	
	Fred Adams	University of Michigan	Capture of Interstellar Objects by our Solar System -- link to recording [56]
	Stanley Dermott	University of Florida	Dynamical evolution of the inner asteroid belt -- link to recording [57]
	Debora Pavela	University of Belgrade, Faculty of Mathematics	The Karma asteroid family: membership, age and evolution
	Althea Moorhead	NASA Marshall Space Flight Center	Fully debiased meteor radiants and speeds

			and their constraints on dynamical models -- link to recording [58]
	Dan Li	NSF's NOIRLab	The random walk evolution of asteroid families -- PDF Poster [59]
	Alex Meyer	University of Colorado Boulder	Modeling Fully Coupled Dynamics of Janus Binary Asteroid Mission Targets -- link to recording [60]
15:20-15:45 EDT		**Rings, Disks, and Migration (Session 406)**	
		Chair: Joseph A'hearn	
	Arcelia Hermosillo Ruiz	University of California, Santa Cruz	**(Duncombe Student Research Prize Winner)** The Impact of Stochastic Migration on Weak Resonances in The Kuiper Belt -- link to recording [61]
	Matthew Hedman	University of Idaho	Recording history in planetary rings with density waves
	Glen Stewart	University of Colorado	Local Gravitational Instabilities Modeled as a Dynamical System
	Meredith MacGregor	University of Colorado at Boulder	(Invited) Gaps and Wings and Eccentricities - ALMA Observations Reveal the Dynamics of Nearby Debris Disks
	Daniel Sega	University of Colorado, Boulder	Interactions within Self-Gravity wakes and bending waves based on the Mimas 5:3 Bending wave -- link to recording [62]
15:45-16:00 EDT		break	
16:00-17:00 EDT		**Networking Event**	
		Chair: Darin Ragozzine	
17:00-17:30 EDT		end of day virtual socializing	

Friday, May 21

11:30-12:00 EDT		virtual coffee/socializing	
11:30-12:00 EDT		**Student Discussion with Brouwer Prize Speaker**	

		Chair:	
12:00-12:25 EDT		**KBOs and Multiples (Session 501)**	
		Chair: Darin Ragozzine	
	Alexandre Correia	University of Coimbra	Evolution of the Pluto-Charon binary under tides
	Sricharan Balaji	UC Santa Cruz	Can the Kuiper Belt's 3:2 orbital distribution result from stability sculpting?
	Ian Matheson	University of Arizona	A measurement of the Kuiper Belt midplane from AI-classified objects
	Hunter Campbell	University of Oklahoma	Stability and Formation of Ultra-Wide Kuiper Belt Binaries -- link to recording [63]
	Nathan Kaib	University of Oklahoma	Inferring the primordial Pluto-mass population of the Kuiper belt -- link to recording [64]
12:25-12:30 EDT		short break	
12:30-12:55 EDT		**TNOs and Planet X (Session 502)**	
		Chair: Matthew Clement	
	Kalee Anderson	University of Oklahoma	Effects on the Inclination Distribution of the Detached Kuiper Belt by a Distant Planet
	Dallin Spencer	Brigham Young University- Provo	Investigating Non-Keplerian Effects in Trans-Neptunian Multiples -- link to recording [65]
	Kevin Napier	University of Michigan	No Evidence for Orbital Clustering in the Extreme Trans-Neptunian Objects
	William Oldroyd	Northern Arizona University	Planet X Can Cause the Outer Solar System Perihelion Gap -- link to recording [66]
	Mohamad Ali-Dib	University of Montreal	The rarity of very red TNOs in the scattered disk and high order resonances
12:55-13:00 EDT		short break	
13:00-14:00 EDT		**DDA Members' Meeting** (open to attendees and all DDA members)	
		Chair: Kat Volk	

14:00-14:15 EDT		break	
14:15-14:35 EDT		**Protoplanetary Disk Physics and Young Exoplanets (Session 504)** Chair: Konstantin Batygin	
	Sahl Rowther	University of Warwick	Hiding Signatures of Gravitational Instability in Protoplanetary Discs with Planets -- link to recording [67]
	Zachary Murray	Center for Astrophysics | Harvard and Smithsonian	The Effects of Massive Protoplanetary Disks on Resonance Capture and Evolution
	Antranik Sefilian	University of Cambridge	Mind the gap: secular dynamics of self-gravitating debris disks -- link to recording [68]
	Kundan Kadam	University of Western Ontario	Global model of magnetic wind-driven accretion in protoplanetary disks -- link to recording [69]
14:35-14:50 EDT		**Dynamics of Planets After the Main Sequence (Session 505)** Chair: Gongie Li	
	Christopher O'Connor	Cornell University	Secular chaos in white-dwarf planetary systems
	Dimitri Veras	University of Warwick	The post-main-sequence fate of the HR 8799 planetary system -- link to recording [70]
	Alexander Stephan	OSU	Throwing Giant Planets at White Dwarfs
14:50-15:00 EDT		Closing Remarks/Announcements	
15:00-16:00 EDT		end of meeting virtual socializing	

Asynchronous Poster Presentations (Session 107)

Discussion via Slack

Available all week		
Sethanne Howard	USNO/retired	Some spiral galaxies dominate their halos -- PDF Poster [71]
Nihaal Zaveri	University of California, Santa Cruz	Pluto's Resonant Orbit Visualized in 4D -- PDF Poster [72]
Konstantin Batygin	California Institute of Technology	P9-Driven Mixing Between the Inner Oort

		Cloud and the Scattered Disk -- PDF Poster [73]
Antranik Sefilian	University of Cambridge	Potential softening and eccentricity dynamics in nearly Keplerian disks -- PDF Poster [74]
Dimitri Veras	University of Warwick	Rocky debris pollution of single white dwarfs in systems with no planets
Rebekah Dawson	Pennsylvania State University	Obliquities of exoplanet host stars
Jiayin Dong	Penn State	In Situ versus Disk Migration Origins of Warm Jupiters: Prediction on Nearby Companions
Zhaozhou Li	Shanghai Jiao Tong University	The outer edges of the Milky Way halo from the motion of nearby galaxies
Jeffrey Sudol	West Chester University	On the prospect of detecting habitable trojan planets in the Kepler circumbinary planetary systems
Benjamin Proudfoot	Brigham Young University	Prolate vs Oblate: When Do Sectoral Gravitational Harmonics Matter?
Nader Haghighipour	Planetary Science Institute	No Resonance Capture is Exact

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Links
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[2] https://ui.adsabs.harvard.edu/search/p_=0&q=bibstem%3Adda%20year%3A2021&sort=date%20desc%2C%20bibcode%20desc
[3] https://docs.google.com/document/d/1weoNJyhX15Cnr5EYEUyd7e1ZahaalfvBxC0kT1rKRSk/edit?usp=sharing
[4] https://my.aas.org/services/DDA52
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[13] https://vimeo.com/545349061
[14] https://dda.aas.org/sites/dda.aas.org/files/2021meeting/103.05%20Steven%20Kreyche%20-%20Exploring%20tidal%20obliquity%20variations%20with%20SMERCURY-T.pdf
[15] https://vimeo.com/546230909

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[27] https://dda.aas.org/sites/dda.aas.org/files/2021meeting/204.03%20Eliot%20Halley%20Vrijmoet%20-%20Orbital%20Architectures%20of%20M%20Dwarf%20Systems.pdf
[28] https://vimeo.com/546205621
[29] https://vimeo.com/545349803
[30] https://vimeo.com/545349812
[31] https://vimeo.com/545349861
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[57] https://vimeo.com/545351020
[58] https://vimeo.com/545351073
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