THE RAYMOND AND BEVERLY SACKLER INSTITUTE OF ASTRONOMY

PUBLICATIONS 2010

(As they appear in NASA ADS)

The following are publications in refereed journals of members of the Sackler Institute of Astronomy:
Almoznino, E., Barkana, R., Beck, S. C., Brosch, N., Broadhurst, T. J., Contini, M., Formiggini, L., Goldman, I., Kaspi, S., Kozlovsky, B-Z., Leibowitz, E. M., Levinson, A., Maoz, D., Mazeh, T., Nakar, E., Netzer, H., Rephaeli, Y., Sadeh, S. and Sternberg, A.

Research workers and graduate students:
Arieli, Y., Badenes, C., Balila, O., Bromberg, O., Dvorkin, I., Engel, M., Evenstein, R., Feigler, S., Finkelman, I., Gorbikov, E., Graur, O., Horesh, A., Lemze, D., Maman, A., Medezinski, E., Mikoulizky, Z., Mor, R., Morandi, A., Ofir, A., Polishook, D., Radai, Y., Reis, I., Shimon, M., Shvartzvald, Y., Slone, O., Spector, O., Svirski, G., Tal-Or, L., Tommasin, S.,Trakhtenbrot, B., Tsodikovich, Y. and Zitrin, A.

PAPERS PRINTED IN REFEREED JOURNALS

Alonso, R. et al including **Mazeh, T.** *"The secondary eclipse of the transiting exoplanet CoRoT-2b (Corrigendum)",* A&A. 512: id.C1, 2010.

Angeloni, R., **Contini, M**., Ciroi, S., Rafanelli, P. *"The spectral energy distribution of D-type symbiotic stars: the role of dust shells",* MNRAS, 402: 2075, 2010.

Aparicio Villegas, T., et al including **Broadhurst, T.** *"The ALHAMBRA photometric System",* AJ. 139: 1242, 2010.

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Badenes, C. *"X-ray studies of supernova remnants: A different view of supernova explosions",* Publications of the National Academy of Sciences, 107: 7141, 2010.

Badenes, C., Maoz, D., Draine, B. *"On the size distribution of supernova remnants in the Magellanic Clouds"*, MNRAS, 407: 1301, 2010.

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Bennett, D. P. et al including **Maoz, D., Kaspi, S.** and **Polishook, D.** *"Masses and Orbital Constraints for the OGLE-2006-BLG-109Lb,c Jupiter/Saturn Analog Planetary System"*, ApJ. 713: 837, 2010.

Bonomo, A.S., et al including **Mazeh, T.** *"CoRoT-10b: a giant planet in a 13.24 day eccentric orbit"*, A&A, 520: 65, 2010.

Bordé, P. et al including **Mazeh, T.** *"Transiting exoplanets from the CoRoT space mission. XI. CoRoT-8b: a hot and dense sub-Saturn around a K1 dwarf".*A&A, 520: 66, 2010.

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Cabrera, J., et al including **Mazeh, T., Ofir, A., Shporer, A.** *"Eclipsing binaries in CoRoT-LRc01 field (*Cabrera+, 2009) VizieR On-line Data Catalog: J/A+A/506/501. Originally published in: 2009 A&A. 506: 501C.

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Gandolfi, D. et al including **Mazeh, T.** *"Transiting exoplanets from the CoRoT space mission XIV. CoRoT-11b: a transiting massive "hot-Jupiter" in a prograde orbit around a rapidly rotating F-type star".* A&A, 524: 55, 2010.

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Lemze, D., Rephaeli, Y., Barkana, R., Broadhurst, T., Wagner, R., and Norman, M. L. *"Quantifying the collisionless nature of dark matter and galaxies in A1689",* ApJ, accepted for publication, 2010.

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Nakar, E. and Sari, R. *"Early supernovae light-curves following the shock-breakout",* ApJ. 725: 904, 2010.

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Pian, E. et al including **Maoz, D**. *"Variability and spectral energy distributions of low-luminosity active galactic nuclei: a simultaneous X-ray/UV look with Swift",* MNRAS, 401: 677, 2010.

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Polishook, D., Brosch, N., and Prialnik, D., *"Rotation Periods of Binary Asteroids with Large Separations – Confronting the Escaping Ejecta Binaries Model with Observations".* Accepted to *Icarus*, 2010.

Pont, F., et al including **Mazeh, T**. *"The spin-orbit angle of the transiting hot Jupiter CoRoT-1b",* MNRAS, 402: L1, 2010.

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PAPERS PRESENTED AT MEETINGS

Brosch, N. *"Quest for Truly Isolated Galaxies".* Galaxies in Isolation: Exploring Nature Versus Nurture, proceedings of a conference held 12 to 15 May 2009 in Granada, Spain. Edited by Lourdes Verdes-Montenegro, Ascencíon del Olmo, and Jack Sulentic. San Francisco: Astronomical Society of the Pacific, 2010., p.141

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Dasyra, K. M.; Peterson, B. M.; Tacconi, L. J.; **Netzer, H**.; Ho, L. C.; Helou, G.; Armus, L.; Lutz, D.; Davies, R.; Watson, L. *"On the black hole mass - velocity dispersion relation for type-1 and type-2 AGN"*. Proceedings of the IAU Symposium no. 267, "Co-Evolution of Central Black Holes and Galaxies: Feeding and Feedback", eds. B.M. Peterson, R.S. Somerville and T. Storchi-Bergmann, 2010.

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Levinson, A. *"Jets on all scales"* HEPROII review talk.

Levinson A. *"Relativistic jets at high energies"*. Invited review, Jets at all scales, (IAU 275) 2010.

Ma, Bo., et al including **Mazeh, T.** *"Two Dimensional Cross-correlation Analysis of a Bearing Low Mass Companion Close Binary System Found by SDSS/MARVELS Pilot Survey"*, AAS Meeting, #215: #472.02, 2010.

Maoz, D. *"Type-1a supernovae: new clues to their progenitors from the delay-time distribution",* Invited review, to appear in proceedings of "Binary Star Evolution", held in Mykonos, Greece, June 22-25, 2010.

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Murphy, R., Share, G. and **Kozlovsky, B.** *"Properties of Accelerated particles at the Sun from Gamma-Ray and Neutron measurements"*, AAS Meeting #216, #408.01, 2010.

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Netzer, H. "Black Hole Demographics: *Statistical Characteristics of Accreting Black Holes",* Co-Evolution of Central Black Holes and Galaxies, Proceedings of the IAU Symposium # 267: 213, eds. B.M. Peterson, R.S. Somerville and T. Storchi-Bergmann, 2010.

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Polishook, D., Prialnik, D., Rosenberg, E. and **Brosch, N.** *"Parameter-Study of The Thermal Yarkovsky Effect Acting On NEAs".* AAS, DPS Meeting #42, #13.12: Bulletin of the AAS, 42: 1055, 2010.

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Scheeres, D. J., and 25 colleagues including **Polishook D.**, "Asteroid Pairs Formed by Rotational Fission". Bulletin of the American Astronomical Society 42, 926. 201.

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