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Reza Pazhouhesh

Scientific Curriculum Vitae

Reza. Pazhouhesh

Born on 21 March 1961
Married to Mina Rezaee
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1. Current Research Interests:

Variable Stars, Eclipsing Binary, X-Ray Binary,
High Energy Physics and Computational Physics

2. Academic Degrees:

2002	Ph.D. in Astronomy and Astrophysics from Ferdowsi University of Mashhad (Iran).
1992	M.Sc. in Elementary Particles Physics from Ferdowsi University of Mashhad (Iran).
1899	B.Sc. in General Physics from University of Zahedan (Iran).

3. Faculty Position:

1992	<i>Lecturer, University of Birjand</i>
2001	<i>Associate Professor, University of Birjand</i>

3. Publications:

- ▶ R. Pazhouhesh, M. Bagheri and M. T. Edalati: “*UBV Photometry of the W UMa Star V839 Oph*”, IBVS, No. 5190, (2001).
- ▶ R. Pazhouhesh and M. T. Edalati: “*New Elements of the Contact Binary V839 Ophiuchi*”, IBVS, No. 5236, (2002).
- ▶ R. Pazhouhesh & M. T. Edalati: “*Light Curves Analysis of the New Eclipsing Binary LD355*” Astron. Nachr. (AN) 323, No.5, 462-464 (2002).
- ▶ R. Pazhouhesh & M. T. Edalati: “*Radial Velocity & Light Curves Analysis of the Contact Binary V839 Oph*” Astrophysics and Space Science (AP&SS) 288, 259-267, (2003).
- ▶ R. Pazhouhesh & E. G. Melendo: “*Radial Velocity and Light Curves Analysis of the Eclipsing Binary NN Vir*”, Astron. Nachr. (AN) 325, No.9, 702-704 (2004).
- ▶ M. Jafari, B. Khalesseh and R. Pazhouhesh: “*Radial Velocity and Light Curves Analysis of the Contact Binary V1073 Cyg*”, Astron. Nachr. (AN).
- ▶ Research project on calculation of lunar crescent visibility, University of Birjand, Iran, (2005).
- ▶ Observation light curves analysis and pulsation behavior of the Algol-type eclipsing binary system XX Cep, New Astronomy, Vol.27, 2014.

- ▶ The algol-type close binary system SZ Her revised, *New Astronomy*, Vol.35, 2015.
- ▶ Self-similar evolutionary solutions for an accreting magneto-fluid around a compact object with finite electrical conductivity, *AN*.335, 2014.
- ▶ Time evolution of accreting magnetofluid around a compact object-Newtonian analysis, *International Journal of Modern Physics D (IJMPD)*, Vol. 24, No. 10, 2015.
 - ▶ Reconstruction of CDM expansion in nonlocal gravity, *International Journal of Modern Physics D (IJMPD)*, Vol. 26, No. 11, 2017
- ▶ Effect of Dark Matter on Stars at the Galactic Center: The Paradox of Youth Problem, *International Journal of Modern Physics D (IJMPD)*, Vol 29, 2020.
- ▶ Cosmological constrain on new generalized Chaplin gas model, *EPJP*,135, 2020.

4. Recent Talks at meeting and Conferences:

- ▶ *IAU 8th Asian-Pacific Regional Meeting*, Tokyo, Japan, July 2002.
- ▶ *International Conference Interacting Binary Stars*, Odessa, Ukraine, 18-22 August 2003.
- ▶ *International Conference Zdenek Kopal's Binary Star Legacy*, Litomysl, Bohemia, Czech Republic, 31 March to 3 April 2004.
- ▶ *Close Binaries in the 21st Century*, Syros, Greece, 27-30 June, 2005.
- ▶ *UN/ESA/NASA Workshop on the International Heliophysical Year IHY 2007*, Abu-Dhabi and Al-Ain, United Emirates, 20-23 November, 2005.
- ▶ 8th Iranian astronomical society meeting, Zanjan, Iran, 19-21 January, 2004.
- ▶ 9th Iranian astronomical society meeting, Zanjan, Iran, 20-23 January, 2005.
- ▶ 10th Iranian astronomical society meeting, Zanjan, Iran, 20-23 January, 2006.
- ▶ 11th Iranian astronomical society meeting, Ghazvin, Iran, February, 2006.
- ▶ 12th Iranian astronomical society meeting, Kurdistan, Iran, 6-7, February, 2007.
- ▶ 13th Iranian astronomical society meeting, Zanjan, Iran, 8-9 February, 2008.
- ▶ 14th Iranian astronomical society meeting, Zanjan, Iran, 13-14 May, 2009.
- ▶ 4th National Astronomical research meeting, Sistan & Baluchestan University, Zahedan, Iran, 28-29 December, 2010.
- ▶ 5th National Astronomical research meeting, Damghan university, Damghan, Iran, December, 2011.
- ▶ ...

5. Grants:

I got six months sabbatical opportunity to complete my Ph. D. thesis in year 2001 and I was in Calgary university of Canada. I worked in Routhney Astrophysical Observatory with professor Milone.

I got six months sabbatical opportunity to continue on eclipsing binary stars observation and analyzing tools in university of Athens of Greece in 2006. I worked with professor P. Niarchos in both observation and light curves analyzing of EB.