

SMILIANA DIKOVA

LIST OF PUBLICATIONS

1. Dikova, S.: 1983, "*Distribution of asteroids and their orbits by mean anomaly and perihelion length*", **Compt.rend.bul.Acad.sci.**, **36**, No7, 859
2. Dikova, S.: 1983, " *On Hansen transformations*", **Proc. First Meeting** of the Bulgarian Physicists, Sofia, 1983, 427
3. Dikova, S.: 1983, " *Some aspects of the distributions of asteroids and their orbits*", **Proc. First Meeting** of the Bulgarian Physicists, Sofia, 1983, 500
4. Dikova, S. et al.: 1985, Haleevata cometa na pat kam Slantzeto, Narodna Prosveta, Sofia, ( in bulgarian )- **BOOK**
5. Dikova, S.: 1988, " *On the force function's transformations in the three-body problem*", **Compt.rend.bul.Acad.sci.**, **41**, No4, 6
6. Dikova, S. and Shkodrov, V.: 1988, " *Transformation of the force function in Jacobi coordinates in the three-body problem*", **Compt. rend.bul.Acad.sci.**, **41**, No5, 8
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- 8-14. Dikova, S. et al: 1989, " *Observations of asteroids* ", **Minor Planet Circulars**, 14250-14256, Cambridge, USA
- 15-18. Dikova, S. et al: 1989, " *Observations of asteroids* ", **Minor Planet Circulars**, 14530-14533, Cambridge, USA
19. Dikova, S. et al: 1989, " *Observations of asteroids* ", **Minor Planet Circulars**, 14679, Cambridge, USA
- 20-21. Dikova, S. et al: 1989, " *Observations of asteroids* ", **Minor Planet Circulars**, 14834-14835
22. Dikova, S. et al: 1990, " *Observations of asteroids* ", **Minor Planet Circulars**, 16661, Cambridge, USA
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- 24.Dikova, S. and Dinev, C.: 1993, " *Statistical investigation of the Asteroidal belt* ", **Proc.Symp. IAU Asteroids, Comets, Meteors**, Belgirate, 1993, ( **Abstract** )
  - 25.Dikova, S. and Dinev, C.: 1994, " *Statistics of asteroids by proper elements* ", **Proc.22nd General assembly of the IAU**, Hague, 1994, ( **Abstract** ), poster presentation
  - 26.Dikova, S. and Dinev, C.: 1995, " *Statistics of asteroids by proper elements .I.* ", **Compt.rend.bul.Acad.sci.**, **48**, No6, 5
  - 27.Dikova, S. and Dinev, C.: 1995 , " *Statistics of asteroids by proper elements.II* ", **Compt.rend.bul.Acad.sci.**, **48**, No6, 9
  - 28.Dikova, S. and Dinev, C.: 1995, " *Asteroid Impacts* ", **Proc.Conf. Automatics and Informatics**, Sofia, 1995, 26
  - 29.Dikova, S. and Dinev, C.: 1996, " *Statistics of asteroids by proper elements* ", in **Sbornik dokladi** "100 godini astronomicheska Observatoria na Sofiiskia Universitet", Naturela, Sofia, 142, ( in bulgarian )
  - 30.Dikova, S.: 1996, " *Statistical Challenges of Asteroid Dynamics* ", in **Statistical Challenges of Modern Astronomy**, (eds.Babu, H. and Feigelson, E.), 439
  - 31.Dikova, S.: 1996, " *Chaos versus Determinism in modern Physics* ", **Compt.rend.bul.Acad.sci.**, **50**, No4, 17
  - 32.Dikova, S.: 1997, " *Chaos versus Causality* ", **Acta Cosmologica**, **XXIII**, 19
  - 33.Dikova, S.: 1998, " *Chaos versus Causality* ", in **Chaos, Fractals, Models**, ( eds. Guindani, F. and Salvadori, G.), Italian University Press, Pavia, 320
  - 34.Dikova, S.: 1998, " *Asteroid Hazard or Hazard of Concepts* ", **Proc.Intern. Conf.Scientia Europaea** No3, Pornichet, France,1998
  - 35.Dikova, S.: 1999, " *Optimization of the search for new asteroids* ", **Proc.IAU Colloq.** Evolution and Source Regions of Asteroids and Comets, Stara Leshna, 1998- **oral presentation**
  - 36.Dikova, S., Petrosky,T.: 2000, " *An Alternative Theory of Asteroid Dynamics* ", (Abstract) **Proc. US/European Celestial Mechanics Workshop**, 3-7 July, 2000, Poznan, Poland, 2000, (Abstract)- **oral presentation**

37. Dikova, S., Petrosky, T.: 2000, "*Predictability of the Near Earth Asteroids*", COSPAR XXth General Assembly, 18- 23 July, Warshaw, Poland, 2000, (**Abstract**), **poster presentation**
38. Dikova, S.: 2001, "*Asteroidal Essay*", **Proc.Intern. Conf.** "From Piazzi to the 3<sup>rd</sup> Millenium", 3-8 June, Palermo, Italy, 2001- **oral presentation**
39. Dikova, S.: 2002, "Asteroidal impacts-the modern challenge of Celestial Mechanics", Proc.Intern.Conference Asteroids, Comets, Meteors, (ACM2002), Berlin, (ESA-SP-500), November, 2002, p.381-384