

ANDRZEJ KRASIŃSKI
CHRONOLOGICAL LIST OF MAIN PAPERS

(Note: The list includes research and review papers and technical reports;
also those few that did not make it through refereeing
or were not submitted for publication;
it does not include popular articles and short notes)

1. Solutions of the Einstein field equations for a rotating perfect fluid, Part 1 - Presentation of the flow-stationary and vortex- homogeneous solutions. *Acta Phys. Polon.* **B5**, 411 (1974).
2. Solutions of the Einstein field equations for a rotating perfect fluid, Part 2 - Properties of the flow-stationary and vortex- homogeneous solutions. *Acta Phys. Polon.* **B6**, 223 (1975).
3. Solutions of the Einstein field equations for a rotating perfect fluid, part 3 - A survey of models of a rotating perfect fluid or dust. *Acta Phys. Polon.* **B6**, 239 (1975), also published in a largely expanded form as a preprint.
4. Some solutions of the Einstein field equations for a rotating perfect fluid distribution. *J. Math. Phys.* **16**, 125 (1975).
5. Models of the Universe in general relativity (in Polish). *Postępy Astronomii* **23**, 97 (1975).
6. Is the Sun spherical? (in Polish). *Postępy Astronomii* **23**, 159 (1975).
7. A class of rotating and expanding Universes. In: *8th International Conference on General Relativity and Gravitation*. University of Waterloo 1977, p. 216.
8. Ellipsoidal spacetimes. In: *8th International Conference on General Relativity and Gravitation*. University of Waterloo 1977, p. 217.
9. A. Krasinski, Marek Perkowski, Symbolic algebraic computer programs, Part 1 - The LISP programming language (in Polish). *Postępy Astronomii* **25**, 203 (1977).
10. A. Krasinski, Marek Perkowski, Symbolic algebraic computer programs, Part 2 - Applications and perspectives (in Polish). *Postępy Astronomii* **26**, 33 (1978).
11. A survey of cosmological models. *Acta Cosmologica* **7**, 101 (1978).
12. Rotational motion of matter in general relativity. *Acta Cosmologica* **7**, 119 (1978).
13. Cylindrical rotating Universe. *Acta Cosmologica* **7**, 133 (1978).
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15. Ellipsoidal spacetimes, sources for the Kerr metric. *Ann. Phys.* **112**, 22 (1978).
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17. A. Krasinski, Marek Perkowski, The system ORTOCARTAN - user's manual. Preprint (1980), documentation to the program.
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20. Spacetimes with intrinsic spherical symmetry. In: *9th International Conference on General Relativity and Gravitation*. University of Jena 1980, p. 44.
21. A Newtonian model of the Kerr gravitational field. In: *9th International Conference on General Relativity and Gravitation*. University of Jena 1980, p. 46.
22. A Newtonian model of the source of the Kerr metric. *Phys. Lett.* **A80**, 238 (1980).
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25. A. Krasinski, Marek Perkowski, ORTOCARTAN - a new computer program for algebraic calculations. *Computer Phys. Commun.* **22**, 269 (1981).
26. The Universe that can open up or close. Paper awarded the "honorable mention" award in the 1981 Gravity Research Foundation Competition. Never submitted for publication.
27. Spacetimes with spherically symmetric hypersurfaces. *Gen. Relativ. Gravit.* **13**, 1021 (1981).
28. Figures of equilibrium, Part 2 - Homogeneous figures (in Polish). *Postępy Astronomii* **29**, 31 (1981).
29. Figures of equilibrium, Part 3 - Inhomogeneous figures (in Polish). *Postępy Astronomii* **29**, 87 (1981).
30. The Universe with time-varying spatial curvature index. In: *The birth of the Universe*. Edited by J. Audouze and J. Tran Thanh Van. Proceedings of the 17-th Rencontre de Moriond 1982, vol. 34. Editions Frontieres, Gif sur Yvette 1982, p. 15.
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33. The program ORTOCARTAN for algebraic calculations - new developments. In: *10th International Conference on General Relativity and Gravitation*. University of Padua 1983, p. 433.
34. The Universe with varying topology of spatial slices. In: *10th International*

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