

LRI Seminar 2023

University of Presov, 17. novembra 1, Presov, Slovakia
Department of Physics, Mathematics and Technologies

**Schwarzschild spacetimes**

The research seminar is devoted to the structure of four-dimensional manifolds endowed with the action of the rotation group, and the related problems. The classical approach and new approach based on the modern differential geometry are compared.

Main references:

S. Carroll, Spacetime and Geometry: An Introduction to General Relativity, Addison Wesley, 2004, 513 pp. ISBN 0805387323, 9780805387322.

D. Krupka, J. Brajerčík, Schwarzschild spacetimes: Topology, Axioms, 2022, 11 (12), 693.
<https://doi.org/10.3390/axioms11120693>