

# *Theory of General Relativity*

## Bibliography

Books on differential geometry and mathematical background

- **L. P. Eisenhart**, “*Riemannian Geometry*” - ed. Princeton University Press.
- **L. P. Eisenhart**, “*Non-Riemannian Geometry*” - ed. Dover.
- **M. Nakahara**, “*Geometry, Topology and Physics*” - ed. IoP.
- **B. Schutz**, “*Geometrical Methods of Mathematical Physics*” - ed. Cambridge.

Introductory books on General Relativity

- **B. Schutz**, “*A First Course in General Relativity*” - ed. Cambridge.
- **P. Bergmann**, “*Introduction to the Theory of Relativity*” - ed. Dover.
- **L.D. Landau & E.M. Lifshitz**, “*The Classical Theory of Fields*” - ed. Elsevier B-H.
- **Ohanian and Ruffini**, “*Gravitation and Space-Time*” - ed. Norton & Company Inc.
- **R. D’Inverno**, “*Introducing Einstein’s Relativity*” - ed. Oxford University Press.

Advanced books on General Relativity

- **S. Weinberg**, “*Gravitation and Cosmology*” - ed. John Wiley & Sons.
- **T. Padmanabhan**, “*Gravitation*” - ed. Cambridge University Press
- **R. Wald**, “*General Relativity*” - ed. Chicago Press.
- **Misner, Thorne & Wheeler**, “*Gravitation*” - ed. Freeman and Company.
- **Hawking & Ellis**, “*The Large Scale Structure of Space-Time*” - ed. Cambridge.
- **Adler, Bazin and Schiffer**, “*Introduction to General Relativity*” - ed. McGraw- Hill.
- **J. Anderson**, “*Principles of Relativity Physics*” - ed. Academic Press.