An Introduction To Lorentzian Geometry And Its Applications

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   1.2 Lorentzian vector spaces
   1.3 The n-dimensional Lorentz group
   1.4 The spinorial covering of the Lorentz group in dimension 4
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   1.A Appendix: Relation with Special Relativity

2) Semi-Riemannian geometry:
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   2.2 Bounds for the sectional and Ricci curvatures
   2.3 Conformal properties and lightlike pregeodesics
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3) Lorentzian manifolds and spacetimes
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REFERENCES