

Bibliography

- [1] Pavel Grinfeld, *Introduction to Tensor Analysis and the Calculus of Moving Surfaces*. Springer Science+Business Media, New York, 2013
- [2] Charles W. Misner, Kip S. Thorne, John Archibald Wheeler *Gravitation*. W.H. Freeman, Princeton University Press, New Jersey, 1973, 2017
- [3] "Tensors for Beginners." Eigenchris, YouTube, 9 Dec. 2017, youtu.be/TvxmlkZmBa-k.
- [4] "Einstein's General Theory of Relativity" Stanford, YouTube 13 Jan. 2009, <https://youtu.be/hbmf0bB38h0>
- [5] "Lecture notes on General Relativity" Caltech.edu, Dec. 1997, https://ned.ipac.caltech.edu/level5/March01/Carroll3/Carroll_contents.html
- [6] "Parallel transport and geodesics" physics.usu.edu, Feb. 2013, <http://www.physics.usu.edu/Wheeler/GenRel2013/Notes/Geodesics.pdf>
- [7] Bernard Schutz *A First Course in General Relativity*. Cambridge University Press, Cambridge, United Kingdom, 2009, 2018
- [8] Weinberg, Steven (1972). *Gravitation and Cosmology: Principles and Applications of the General Theory of Relativity*. John Wiley. ISBN 978-0-471-92567-5.
- [9] Knight, Randell Dewey, *Physics for Scientists and Engineers Volume 4 A strategic approach*. Pearson Education Inc., publishing as Addison Wesley, 2004. ISBN 0-8053-8960-1.
- [10] National Aeronautics and Space Administration, Science Mission Directorate. (2010). *Anatomy of an Electromagnetic Wave*. Retrieved January 4, 2022, from NASA Science website: ["http://science.nasa.gov/ems/02_anatomy"](http://science.nasa.gov/ems/02_anatomy).
- [11] Manning, C. (2021, August 10). *Electromagnetic Spectrum*. NASA. Retrieved 01/04/2022, ["https://www.nasa.gov/directorates/heo/scan/spectrum/txt_electromagnetic_spectrum.html"](https://www.nasa.gov/directorates/heo/scan/spectrum/txt_electromagnetic_spectrum.html).
- [12] Albert Einstein, Leopold Infeld *The Evolution of Physics*. Simon and Schuster, Inc, Rockefeller Center, 1230 Sixth Avenue, New York 20, N.Y., 1938
- [13] "Lectures on General Relativity" Physics Unsimplified, YouTube, 8 Mar. 2019, <https://physicsunsimplified.com>.