

Free TextBooks:

Dave for Cosmo: July 2023

<https://www.feynmanlectures.caltech.edu/> All of the Feynman Lecture Books I,II,III and MORE (wonderful books—if you already know freshman/sophomore physics).

<https://arxiv.org/pdf/gr-qc/9712019.pdf> Sean Carroll **General Relativity** 238 pages.

TIPLER: Modern Physics Text: https://web.pdx.edu/~pmoeck/books/Tipler_Llewellyn.pdf 2008 Freeman, 758 pages,

<http://www.damtp.cam.ac.uk/user/tong/qft.html> David Tong Quantum Field Theory, 155 pgs.

https://assets.openstax.org/oscms-prodcms/media/documents/Astronomy-2e-WEB_6qnoalc.pdf 1133 pages, **Astronomy 2e.**

https://www.atnf.csiro.au/outreach/education/senior/astrophysics/stellarevolution_hrintro.html 13 topics online free. Australia Telescope. Eg., **HR diagram.**

https://www.atnf.csiro.au/outreach/education/senior/astrophysics/stellarevolution_mainsequence.html#msnucleosynthesis

Paul Langacker, The Standard Model and Beyond <https://www.taylorfrancis.com/books/oa-mono/10.1201/b22175/standard-model-beyond-paul-langacker>

List of open access books: <https://scoap3.org/scoap3-books/> e.g., **Gauge Theories in Particle Physics:** A Practical Introduction, Volume 1 and 2. From Relativistic Quantum Mechanics to QED, Fourth Edition **Aitchison I.J.R, Hey, A.J.G** Taylor & Francis. Volume 2: Non-Abelian Gauge Theories 518 pages 2013 QCD and The Electroweak Theory (**my favorite!**)

<https://www.e-booksdirectory.com/physics.php> **Hundreds** of books free.

A Modern Introduction to Particle Physics, 3rd Edition, 680 pages, <https://www.worldscientific.com/worldscibooks/10.1142/8064#t=aboutBook>

Robert Mann, An Introduction to Particle Physics and the Standard Model, <https://www.taylorfrancis.com/books/oa-mono/10.1201/9781420083002/introduction-particle-physics-standard-model-robert-mann>

https://www.researchgate.net/publication/241322071_New_Paths_Towards_Quantum_Gravity/link/565b22b708ae4988a7ba7056/download

<https://arxiv.org/pdf/1908.10681.pdf> 259 pages, A Treatise on Differential Geometry and its role in Relativity Theory. 2022

486 pages Nucleosynthesis: <http://www.gammaexplorer.com/wp-content/uploads/2014/03/Cambridge.Nucleosynthesis.And.Chemical.Evolution.Of.Galaxies.2nd.Edition.Feb.2009.eBook-ELOHiM.pdf>

WOIT Quantum <http://www.math.columbia.edu/~woit/QMbook/qmbook-latest.pdf> 580 pages.

New Einstein Volume: <https://einsteinpapers.press.princeton.edu/vol15-trans/> (seems to be free readings). All of them!!? <https://einsteinpapers.press.princeton.edu/vol2-trans/>

<https://www.nap.edu/read/25196/chapter/2#8> Summary of quantum computing from the National academy of ... **10,000 books for free on nap.edu** (free logins)

<https://www.open.edu/openlearn/free-courses/full-catalogue>

<https://www.aldebaran.cz/studium/vnp/docs/2018/ComplexVariablesDemystified.pdf>

Cheap Amazon Books: R. J. Singh, Solid State Physics , 1031 pages Kindle \$3.65. 2011 Pearson (I just received this one).