

TEXTBOOK REFERENCES FOR SECTION V

Physics with Modern Physics, 3rd Edition

SECTION V. SPECIAL RELATIVITY

Chapter 38

V.1 The Special Theory of Relativity

- *Sections 38-1, 38-3*
- *pages 1008-1010, 1013*

V.2 Implications of Special Relativity

- *Section 38-2; pages 1010-1013*

V.3 Lorentz Transformations

- *Sections 38-4, 38-6*
- *pages 1022-1027, 1033-1035*

V.4 Time Dilation, the Twin Paradox, and the Lorentz Contraction

- *Section 38-4; pages 1013-1022*

V.5 Energy in STR: $E = mc^2$

- *Section 38-5; pages 1029-1033*

V.6 General Relativity

- *Section 38-8; page 1037*