

CHAPTER OVERVIEW

4: Rigid Body Motion

This chapter discusses the motion of rigid bodies, with a heavy focus on its most nontrivial part: the rotation. Some byproduct results of this analysis enable a discussion, at the end of the chapter, of the motion of point particles as observed from non-inertial reference frames.

[4.1: Translation and Rotation](#)

[4.2: Inertia Tensor](#)

[4.3: Fixed-axis Rotation](#)

[4.4: Free Rotation](#)

[4.5: Torque-induced Precession](#)

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