



A Critical Appraisal of Newton's Laws

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Online participation using Zoom Meeting ID: 829 6770 5989, Password: ihbar

Anyone who has grappled with tricky problems in Mechanics would agree that Newton's laws of motion read deceptively simple. Subtleties concerning their applications notwithstanding, the laws themselves are profound in physical content. On the face of it, the first law appears to be a mere tautology, and both, the first and the third law, seem to be contained in the second law. A more critical reflection however reveals a powerful and economic structure with non-trivial assumptions and far reaching consequences. We will try and dig at the second layer of this physical content of Newton's laws of motion. It is primarily addressed to the students of plus two and undergraduates.

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