

## Introduction To Relativistic Continuum Mechanics Lecture Notes In Physics

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### Introduction To Relativistic Continuum Mechanics

Introduction. This mathematically-oriented introduction takes the point of view that students should become familiar, at an early stage, with the physics of relativistic continua and thermodynamics within the framework of special relativity. Therefore, in addition to standard textbook topics such as relativistic kinematics and vacuum ...

### Introduction to Relativistic Continuum Mechanics ...

Therefore, in addition to standard textbook topics such as relativistic kinematics and vacuum electrodynamics, the reader will be thoroughly introduced to relativistic continuum and fluid mechanics. Emphasis in the presentation is on the 3+1 splitting technique, widely used in general relativity for introducing the relative observers point of view.

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