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With the same method, the mass of  
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Physics (from Ancient Greek: *And*

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romanized: physik (epist m ), lit.  
'knowledge of nature', from

phýsis 'nature') is the  
natural science that studies matter, its  
motion and behavior through space  
and time, and the related entities of

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energy and force. Physics is one of the most fundamental scientific disciplines, and its main goal is to understand ...

~~Physics—Wikipedia~~

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formulas is given below, in alphabetical order. To find what you are looking for if you can't find it in the list, either search this webpage (e.g., using "apple-F" on a mac) or search the website using the search box in the right-hand sidebar.

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## Astronomy

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Author Douglas W. MacDougal uses actual problems from the history of astronomy, as well as original examples, to deepen understanding of how discoveries were made and



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what they mean. “Newton ’s Gravity” concentrates strongly on the development of the science of orbital motion, beginning with Galileo, Kepler, and Newton, each of whom is prominently represented. Quotes and problems from Galileo ’s Dialogs Concerning Two New

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Astronomy and particularly Newton's Principia help the reader get inside the mind of those thinkers and see the problems as they saw them, and experience their concise and typically eloquent writing. This book enables students and curious minds to explore the mysteries of celestial

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motion without having to know advanced mathematics. It will whet the reader ' s curiosity to explore further and provide him or her the tools (mathematical or physical) to do so.

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physics students at advanced  
undergraduate or beginning  
graduate level, this textbook also  
provides an overview of astrophysics  
for astrophysics graduate students,  
before they delve into more  
specialized volumes. Assuming  
background knowledge at the level of

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