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newton s physics led to the conclusion that the shape of earth is  
not precisely spherical but should bulge at the equator the  
confirmation of this prediction by french expeditions in the mid  
18th century helped persuade most european scientists to  
change from cartesian to newtonian physics

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modern physics was basically established in the first half of the 20 th century quantum mechanics which is at the core of modern physics is credited with promoting the high tech revolution in the second half of this century and will continue to play that role in the 21 st century this formed the science of the microscopic world of molecules

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is an exact science and studies the quantitative regularities of natural phenomena at both the macroscopic and microscopic levels the term physics first appears in the works

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