

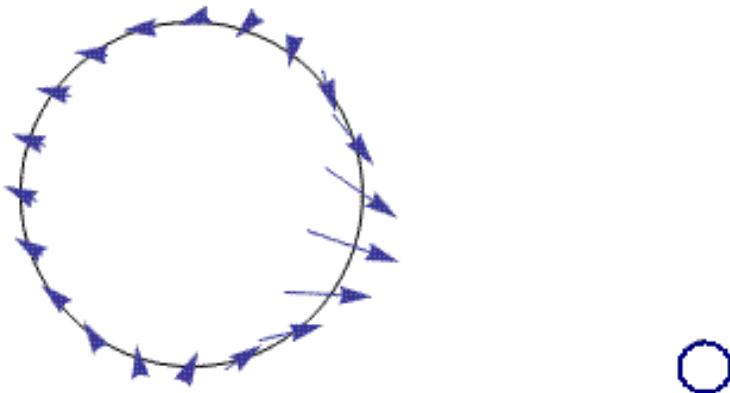
Physics Student Seminar

Wednesday 3/23/2011, 4:30 pm
Science & Engineering Building Auditorium

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Mercer University

Tidal Force Asymmetry



The conventional treatment of the tidal field of the Moon is an approximation that uses calculus differentials. As the distance of a moon from its parent decreases progressively, the assumptions of this method become eventually unacceptable. It is then necessary to apply Newton's universal law of gravity to virtually all components of the body. Using codes generated by (i) Mathematica and (ii) Excel, we will provide examples of the asymmetry that results from close proximity.

Please join us for light refreshments at 4:15pm outside SEB 203.