

PRINT ONLY: MOVERS AND SHAKERS: PLANETARY DYNAMICS AND TECTONICS

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[*Self-Sustaining Dynamos in Massive Terrestrial Exoplanets?*](#) [#1065]

Do massive terrestrial exoplanets have the ability to generate and sustain magnetic fields over geological time? A simple model shows that due to dominance of conduction, caused by increased pressure and density, this seems to be rather unlikely.

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[*Finite Element Models of Lithospheric Flexure and Volcanic Spreading at Olympus Mons, Mars*](#) [#1772]

The formation of Olympus Mons upper-flank terraces, its circumferential scarp, and aureole deposits is investigated with the finite element method. First results for an instantaneous load are given.