

Correction to “Initiation of subduction by small-scale convection”

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INDEX TERMS: 8120 Tectonophysics: Dynamics of lithosphere and mantle—general; 8121 Tectonophysics: Dynamics, convection currents and mantle plumes; 8147 Tectonophysics: Planetary interiors (5430, 5724); 9900 Corrections; **KEYWORDS:** subduction, plate tectonics, small-scale convection

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[1] In the paper “Initiation of subduction by small-scale convection” by V. S. Solomatov (*Journal of Geophysical Research*, *109*, B01412, doi:10.1029/2003JB002628, 2004), the critical yield stress for initiation of subduction in equation (34) and Figures 12–14 was calculated in bars instead of megapascals. It is of the order of 3 MPa rather than 30 MPa. This value is comparable with the critical fault shear stress for initiation of subduction on preexisting faults [Toth and Gurnis, 1998] and with

the stress drop during earthquakes [Kanamori, 1994]. Therefore the main conclusions of the paper remain unchanged.

References

- Kanamori, H. (1994), Mechanics of earthquakes, *Annu. Rev. Earth Planet. Sci.*, *22*, 207–237.
- Toth, J., and M. Gurnis (1998), Dynamics of subduction initiation at pre-existing fault zones, *J. Geophys. Res.*, *103*, 18,053–18,067.