

**Erratum: Reconstruction Mechanism of fcc Transition Metal (001) Surfaces**  
**[Phys. Rev. Lett. 71, 1051 (1993)]**

Vincenzo Fiorentini, Michael Methfessel, and Matthias Scheffler

[S0031-9007(98)07050-1]

The quantity  $\tau$  named the excess surface stress in our paper is in fact the total surface stress  $\tau = (1/A)d\sigma/d\epsilon = d\sigma/dA$ , with  $\sigma$  the surface energy per surface cell, as indeed borne out by its operative definition on p. 1052. This implies that all occurrences of “excess stress” in the text should be replaced by “stress.” Also, the text from “in a related context” (p. 1052, 2nd column, 22nd line from bottom) to “of the stress, since,” (p. 1052, 18th line from bottom), inclusive, is incorrect and should be suppressed. We apologize for the confusion this might have generated.

We also add that our intervening calculations of surface stress taking into account surface relaxation [see, e.g., A. Filippetti *et al.*, *Mater. Res. Soc. Symp. Proc.* **408**, 457 (1996); A. Filippetti and V. Fiorentini, *Surf. Sci.* **377**, 112 (1997); P. Alippi and M. Scheffler (unpublished)] indicate typical stress reductions of  $\sim 20\%$  to  $40\%$  with respect to the values reported in our paper.

We finally point out that none of our conclusion is changed by the above corrections.