# Erratum: *Ab initio* calculation of the tetragonal shear moduli of the cubic transition metals [Phys. Rev. B 26, 1527 (1982)]

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We have found some confusion with the units in Table X of our article.

We used for the lattice parameter $a$ atomic units instead of Angströms for bcc transition metals. So the ratio $a_0/a$ in Table X is not correct and this changes the results for $C'_M$ in this case.

Fortunately this does not essentially change the results and the discussion; only two tables (X and XII) should be corrected.

Instead of Table X:

| | V | Cr | Nb | Mo | Ta | W |
|---|---|---|---|---|---|---|
| $a_0/a$ | 0.1746 | 0.1835 | 0.1602 | 0.1684 | 0.1604 | 0.1671 |
| $C'_M$ for $l \leq 3$ | 0.23 | 0.28 | 0.28 | 0.40 | 0.34 | 0.47 |

Instead of Table XII:

| | V | Cr | Nb | Mo | Ta | W |
|---|---|---|---|---|---|---|
| $C'_b$ | +2.5 | +13.9 | +3.1 | +21.8 | 3.3 | 18.8 |
| $C'_M$ | +3.6 | +5.3 | 3.5 | 5.6 | 4.2 | 6.6 |
| $C'_{\text{calc}}$ | 6.1 | 19.2 | 6.6 | 27.4 | 7.5 | 25.4 |
| $C'_{\text{expt}}$ | 5.86 | 15.3 | 5.98 | 15.6 | 5.4 | 16.4 |