**ADDENDUM**

# A `magnetic' interatomic potential for molecular dynamics simulations.



J. Phys.: Condens. Matter **19** (2007) 239001 (1p) doi:10.1088/0953-8984/19/23/239001

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# A 'magnetic' interatomic potential for molecular dynamics simulations.

Dudarev S L and Derlet P M *J. Phys.: Condens. Matter* **17** 7097–7118

Received 06 December 2006
Published 17 May 2007
Online at stacks.iop.org/JPhysCM/19/239001

Our colleagues pointed out that the format of numerical values given in table 3 of our paper may cause confusion and lead to an error in the numerical implementation of the potential. Below we list the values given in table 3 of our original paper, this time using conventional decimal notations. These values correspond to the same choice of parameter $\rho_c = 1$.

**Table 3.** Optimal parameter set for case studies I and II

| | Case study I | Case study II |
|---|---|---|
| $A$ | 3.527 586 256 672 234 | 4.100 199 340 884 814 |
| $B$ | 1.642 855 167 616 477 | 1.565 647 547 483 517 |
| $r_n^f$ | $f_n$ | |
| 3.0 | 0.505 568 175 375 7052 | 0.933 205 668 108 8162 |
| 2.866 666 666 666 670 | −0.425 555 283 113 6833 | −1.162 558 782 567 700 |
| 2.733 333 333 333 330 | −0.562 940 810 933 9820 | −0.350 202 694 924 9225 |
| 2.6 | 0.431 853 088 566 5762 | 0.428 782 083 543 0028 |
| 2.4 | — | 4.907 925 057 809 273 |
| 2.3 | — | 5.307 049 068 415 304 |
| $r_n^f$ | $V_n$ | |
| 4.1 | $1.753\,386\,111\,560\,4772\times10^{-3}$ | −0.196 067 438 741 9232 |
| 3.8 | −0.932 121 957 205 9338 | 0.368 752 593 542 2963 |
| 3.5 | 1.696 463 955 030 590 | −1.505 333 614 924 853 |
| 3.2 | 0.663 847 872 510 9788 | 4.948 907 078 156 191 |
| 2.9 | −1.914 559 267 568 704 | 4.894 613 262 753 399 |
| 2.6 | 3.193 687 184 255 540 | 3.468 897 724 782 442 |
| 2.4 | — | −1.792 218 099 820 337 |
| 2.3 | — | 80.220 695 922 469 87 |

  