

substance: Ti_2O_3

property: magnetic properties

Early work [63A] found evidence for antiferromagnetic ordering, but later studies [68K] showed that the apparent superlattice peaks were due to multiple Bragg scattering. There is essentially no localized moment on the Ti^{3+} ions, a result confirmed by neutron polarization studies [69M].

References:

- 63A Abrahams, S. C.: Phys. Rev. 130 (1963) 2230.
- 68K Kendrick, H., Arnott, A., Werner, S. A.: J. Appl. Phys. 39 (1968) 585.
- 69M Moon, R. M., Riste, J., Koehler, W. C., Abrahams, S. C.: J. Appl. Phys. 40 (1969) 1445.