

Magnetization and AC susceptibility of $Tb_x Y_{1-x} Co_2$ compounds

Franse J.J.M., Hien T.D., Ngan N.H.K., Duc N.H.

Cryogenic Laboratory, University of Hanoi, S.R. Vietnam

Abstract: Magnetization and ac susceptibility measurements have been performed on $Tb_x Y_{1-x} Co_2$ compounds. Samples with $x > 0.1$ order ferromagnetically below room temperature. The cobalt magnetic moments in these compounds are induced by the internal magnetic field exerted by the terbium moments on the cobalt atoms. The ac susceptibility measurements indicate a change from second order to first order in the ferromagnetic transition for samples with x-values equal or smaller than 0.5. ?? 1983.

Index Keywords: INTERMETALLICS; MAGNETISM - Ferromagnetism; MAGNETIZATION; TERBIUM; AC SUSCEPTIBILITY; YTTERBIUM COMPOUNDS

Year: 1983

Source title: Journal of Magnetism and Magnetic Materials

Volume: 39

Issue: 3

Page : 275-278

Cited by: 16

Link: [Scopus Link](#)

Correspondence Address: Franse, J.J.M.

ISSN: 3048853

CODEN: JMMMD

Language of Original Document: English

Abbreviated Source Title: Journal of Magnetism and Magnetic Materials

Document Type: Review

Source: Scopus

Authors with affiliations:

1. Franse, J.J.M., Cryogenic Laboratory, University of Hanoi, S.R. Vietnam
2. Hi??n, T.D., Cryogenic Laboratory, University of Hanoi, S.R. Vietnam
3. Ng??n, N.H.K., Cryogenic Laboratory, University of Hanoi, S.R. Vietnam
4. D??c, N.H., Cryogenic Laboratory, University of Hanoi, S.R. Vietnam