

[Coffey, Mark W.](#)

Modelling the electrodynamic response of composite superconducting structures in the mixed state. (English) [\[Zbl 0974.74523\]](#)

DeSanto, John A. (ed.), Mathematical and numerical aspects of wave propagation. Proceedings of the 4th international conference held at Mines in Golden, CO, USA, June 1-5, 1998. Philadelphia, PA: SIAM. Proc. Appl. Math. 757-759 (1998).

For the entire collection see [\[Zbl 0904.00054\]](#).

MSC:

[74F15](#) Electromagnetic effects in solid mechanics

[74E30](#) Composite and mixture properties

[78A48](#) Composite media; random media in optics and electromagnetic theory

[82D55](#) Statistical mechanical studies of superconductors

Keywords:

phenomenological model; linear electrodynamic response; type-II superconductor; vortex state; effective mass anisotropy; tensor forces; superconductor-dielectric structures; superconducting waveguides; transmission lines