

INDIRECT INTERACTION OF EXTRINSIC
SPIN THROUGH CONDUCTION ELECTRONS
IN CARBON NANOTUBES

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S u m m a r y

Within the s-d exchange model, the operator of the indirect interaction of extrinsic spins through conduction electrons in carbon nanotubes is deduced by Fröhlich's method. The effective radius of the exchange interaction is estimated, and temperature dependences are analyzed.