

Magnetic Anisotropy of Boron Doped FeCo Alloy: First principles study

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Using the full potential linearized augmented plane wave (FLAPW) method, we have investigated the role of boron doping on the magnetic anisotropy of FeCo alloy. Furthermore the coercive field H_c and Maximum energy product $(BH)_{max}$ is investigated. With these studies, we have discussed on the potential application of rare earth free permanent magnet.

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