
No. 1C-b71 $\text{BiFeO}_3\text{--Pb}(\text{Fe}_{1/2}\text{Nb}_{1/2})\text{O}_3$

3a Lattice parameters: Fig. 1C-b71-001.

5a Dielectric constant: Fig. 1C-b71-002.

6a Specific heat: Fig. 1C-b71-003.

Transition entropy: see

74Bha

12 Néel temperature and spontaneous magnetization: Fig. 1C-b71-004.

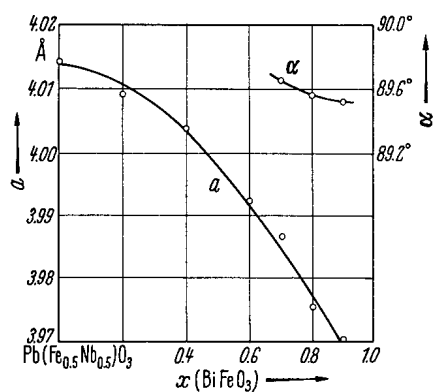


Fig. 1C-b71-001. $(1-x)\text{Pb}(\text{Fe}_{1/2}\text{Nb}_{1/2})\text{O}_3 \cdot x \text{BiFeO}_3$. a , α vs. x [62Buh]. α : rhombohedral angle.

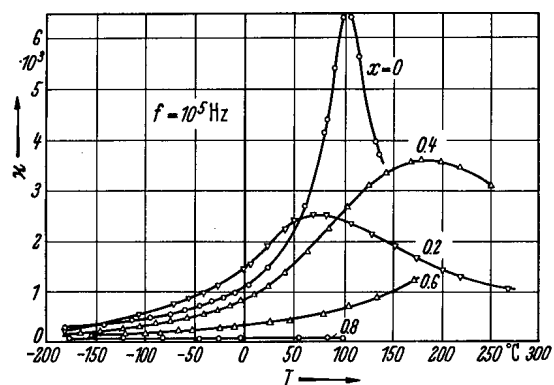


Fig. 1C-b71-002. $(1-x)\text{Pb}(\text{Fe}_{1/2}\text{Nb}_{1/2})\text{O}_3 \cdot x \text{BiFeO}_3$ (ceramics). κ vs. T [62Buh]. Parameter: x . $f = 10^5 \text{ Hz}$.

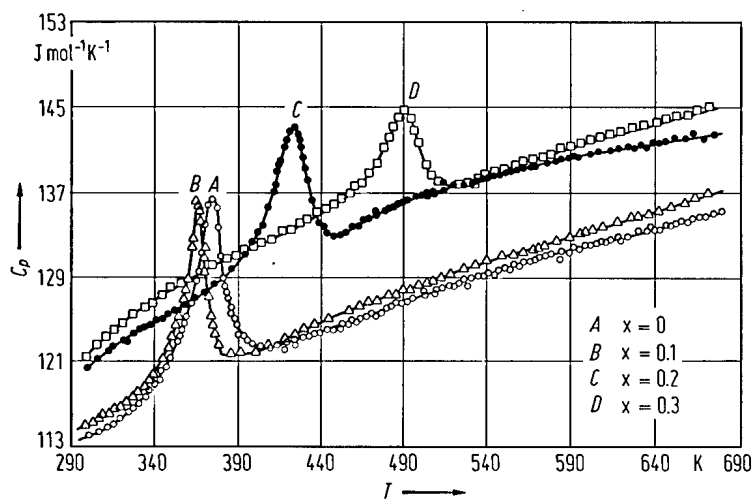


Fig. 1C-b71-003. $(1-x)\text{Pb}(\text{Fe}_{1/2}\text{Nb}_{1/2})\text{O}_3 \cdot x \text{BiFeO}_3$ (ceramics). C_p vs. T [74Bha].
Parameter: x .

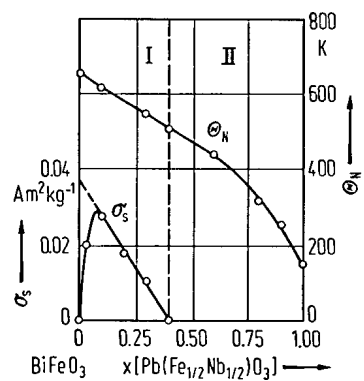


Fig. 1C-b71-004. $(1-x)\text{BiFeO}_3 \cdot x \text{Pb}(\text{Fe}_{1/2}\text{Nb}_{1/2})\text{O}_3$. Θ_N , σ_s vs. x [64Smo]. Weak ferromagnetism is observed in phase I. σ_s : spontaneous specific magnetization.

References

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74Bha Bhat, K.C., Keer, H.V., Biswas, A.B.: J. Phys. D **7** (1974) 2077.