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**No. 1C-a99 BiFeO<sub>3</sub>–LaFeO<sub>3</sub>**

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1b Phase diagram: Fig. 1C-a99-001.

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3a Lattice parameters: Fig. 1C-a99-002.

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5a Dielectric constant: Fig. 1C-a99-003, Fig. 1C-a99-004.

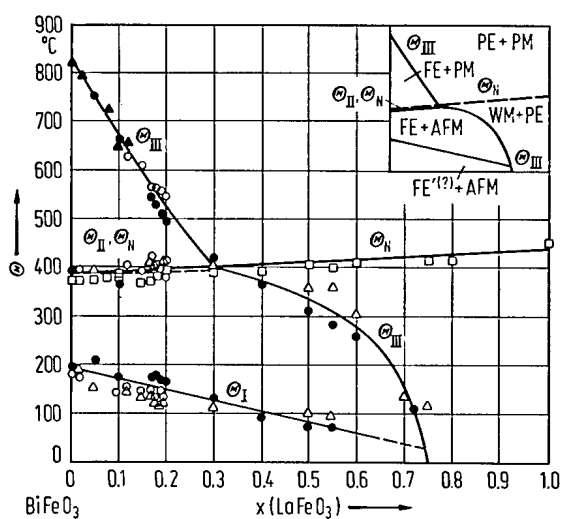
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12 Magnetization: see

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63Rog



**Fig. 1C-a99-001.**  $(\text{Bi}_{1-x}\text{La}_x)\text{FeO}_3$ .  $\Theta$  vs.  $x$  [74Pol]. Phases: FE: ferroelectric, PE: paraelectric, AFM: antiferromagnetic, WM: weak magnetic, PM: paramagnetic.  $\Theta_{\text{III}}$  corresponds to ferroelectric transition temperature. Results are not always in agreement with the observation shown in Fig. 1C-a98-001. Method: Full triangles: differential thermal analysis, open triangles: dielectric (1 MHz), full circles: dielectric (9.4 GHz), open circles: dilatometric, squares: magnetic.

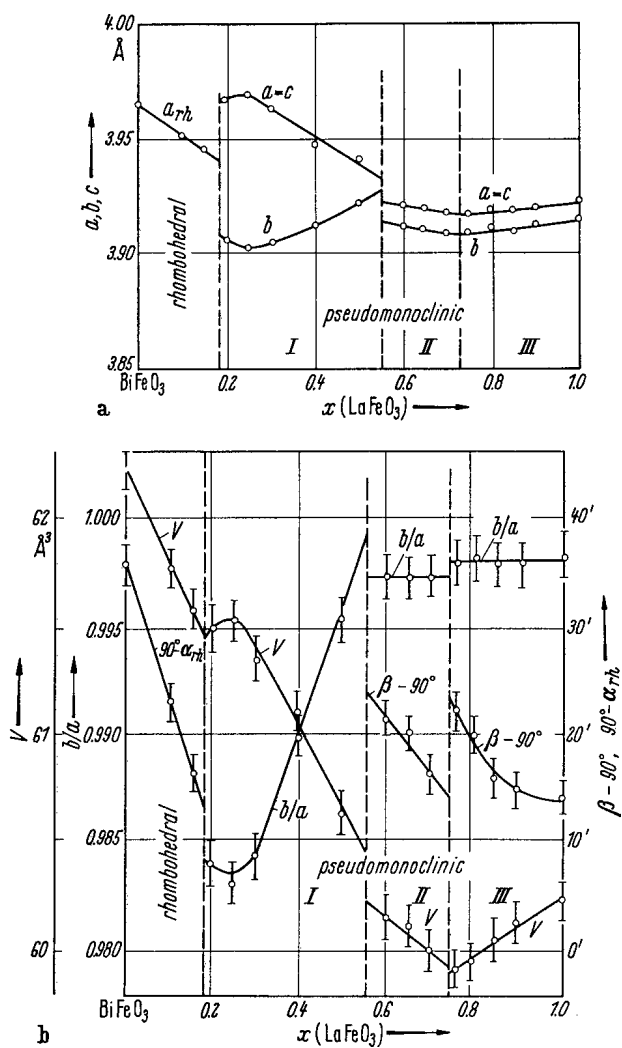
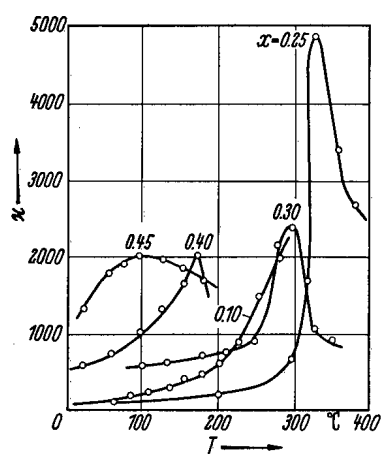
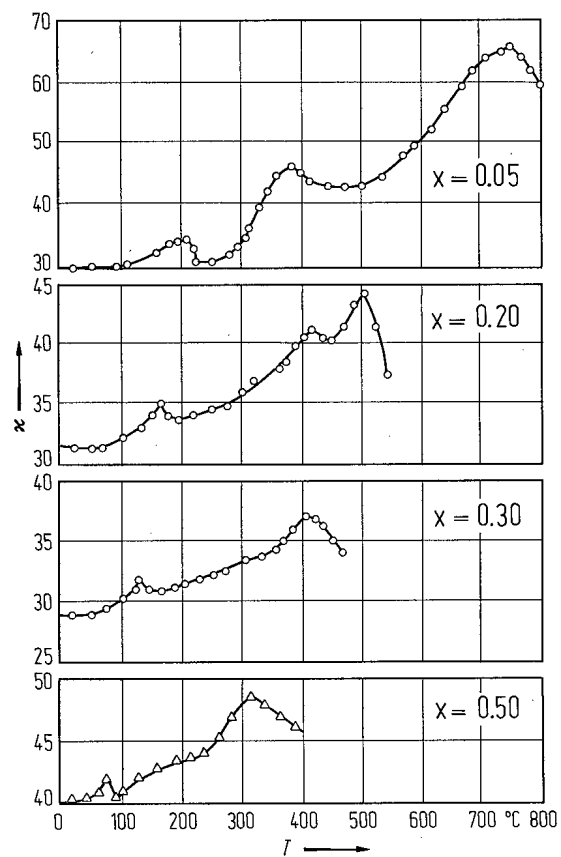


Fig. 1C-a99-002.  $(\text{Bi}_{1-x}\text{La}_x)\text{FeO}_3$ . Lattice parameters vs.  $x$  [63Rog].



**Fig. 1C-a99-003.**  $(\text{Bi}_{1-x}\text{La}_x)\text{FeO}_3$  (ceramics).  $\kappa$  vs.  $T$  [63Rog]. Parameter:  $x$ .  $f = 200$  kHz.



**Fig. 1C-a99-004.**  $(\text{Bi}_{1-x}\text{La}_x)\text{FeO}_3$  (ceramics).  $\kappa$  vs.  $T$  [74Pol]. Parameter:  $x.f = 9.4$  GHz.

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**References**

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