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**No. 1C-a24  $\text{CaTiO}_3$ – $\text{SrTiO}_3$** 

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1b Phase diagram: Fig. 1C-a24-001, Fig. 1C-a24-002.

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3a Lattice constant: Fig. 1C-a24-003.

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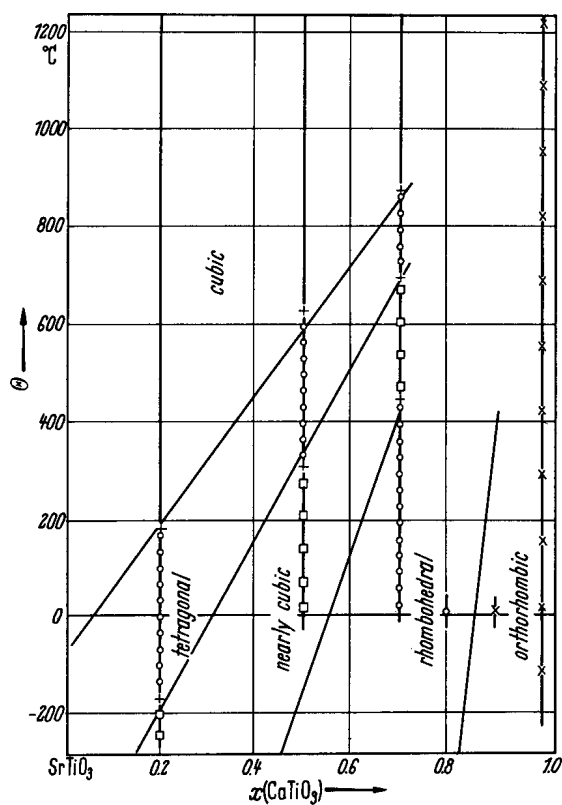
5a Dielectric constant: Figs. 1C-a24-004...1C-a24-006.

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c Remanent polarization: see

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61Mit



**Fig. 1C-a24-001.**  $(\text{Sr}_{1-x}\text{Ca}_x)\text{TiO}_3$ .  $\Theta$  vs.  $x$  [54Gra]. See also [55McQ].

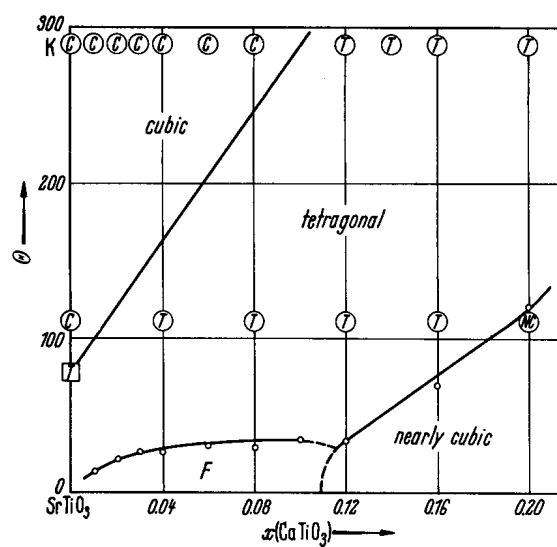
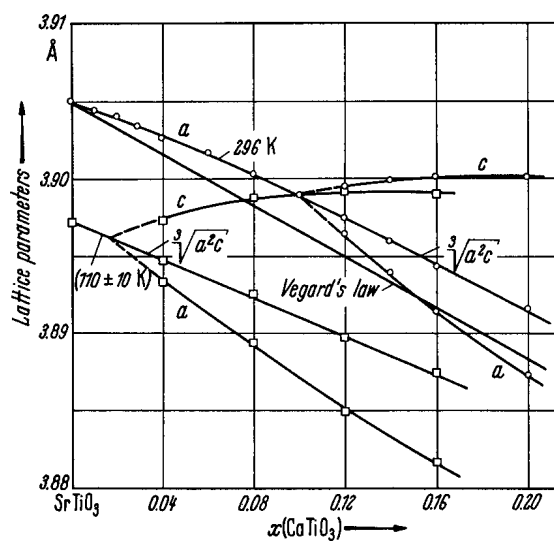
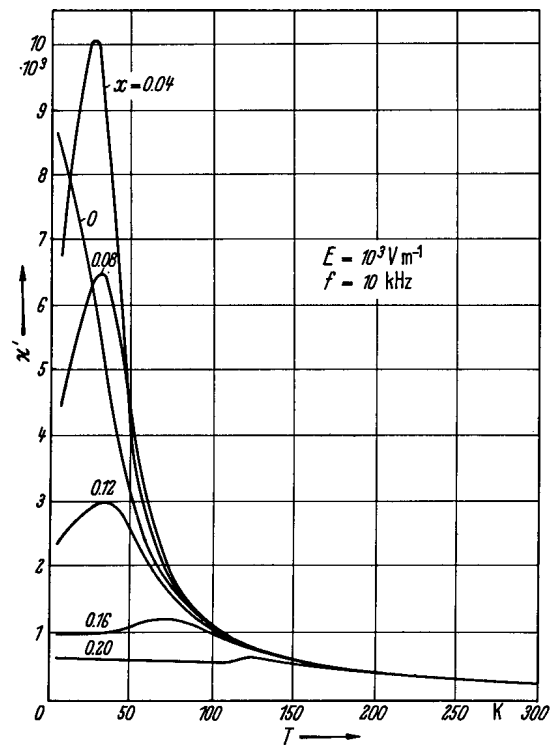


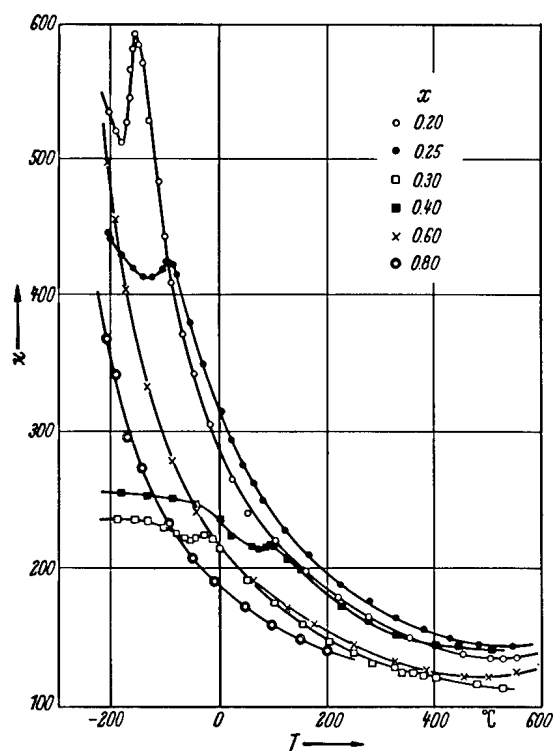
Fig. 1C-a24-002.  $(\text{Sr}_{1-x}\text{Ca}_x)\text{TiO}_3$ .  $\Theta$  vs.  $x$  [61Mit].



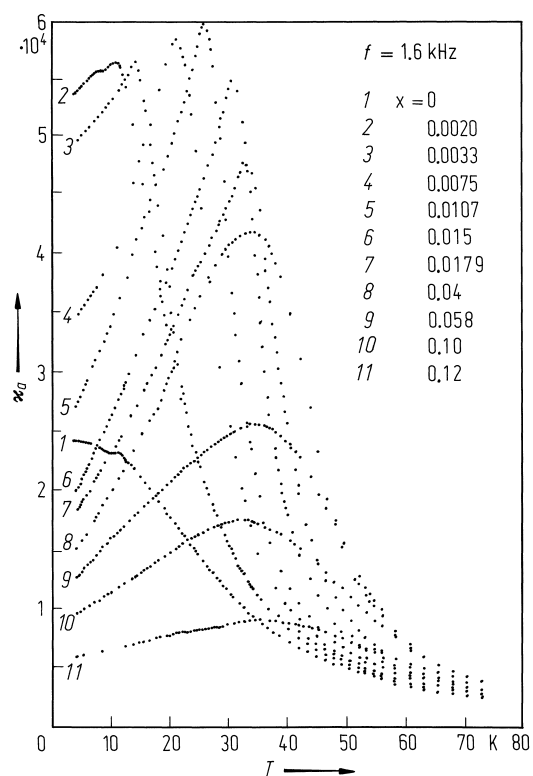
**Fig. 1C-a24-003.**  $(\text{Sr}_{1-x}\text{Ca}_x)\text{TiO}_3$ .  $a$ ,  $c$ ,  $\sqrt[3]{a^2c}$  vs.  $x$  [61Mit].  
 $T = 296 \text{ K}$  and  $110 \text{ K}$ .



**Fig. 1C-a24-004.**  $(\text{Sr}_{1-x}\text{Ca}_x)\text{TiO}_3$  (ceramics).  $\kappa'$  vs.  $T$  [61Mit]. Parameter:  $x$ .



**Fig. 1C-a24-005.**  $(\text{Sr}_{1-x}\text{Ca}_x)\text{TiO}_3$  (ceramics).  $\kappa$  vs.  $T$  [54Gra]. Parameter:  $x$ .  $f = 2$  MHz.



**Fig. 1C-a24-006.**  $(\text{Sr}_{1-x}\text{Ca}_x)\text{TiO}_3$ .  $\kappa''$  vs.  $T$  [84Bed].  
Parameter:  $x$ ,  $f = 1.6 \text{ kHz}$ .

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**References**

- 54Gra Granicher, H., Jakits, O.: Nouvo Cimento [9] **11** Suppl. (1954) 480.  
55McQ McQuarrie, M.: J. Am. Ceram. Soc. **38** (1955) 444.  
61Mit Mitsui, T., Westphal, W.B.: Phys. Rev. **124** (1961) 1354.  
84Bed Bednorz, J.G., Müller, K.A.: Phys. Rev. Lett. **52** (1984) 2289.