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**No. 1C-c5 (Ca,Ba)(Ti,Zr)O<sub>3</sub>**

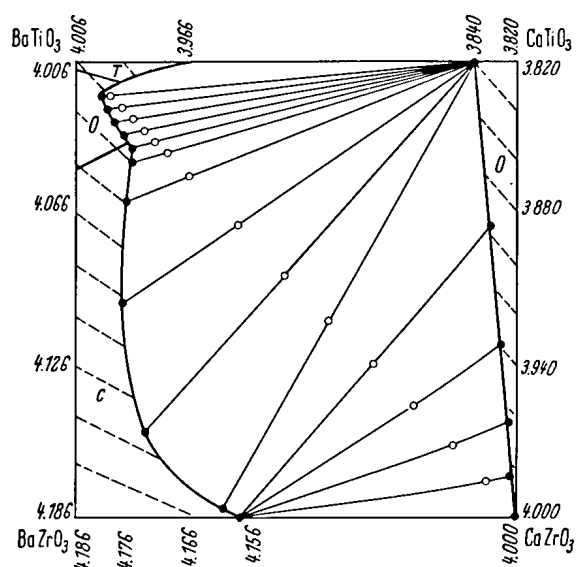
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1b Phase diagram: Fig. 1C-c5-001.  
Transition temperature: Fig. 1C-c5-002.

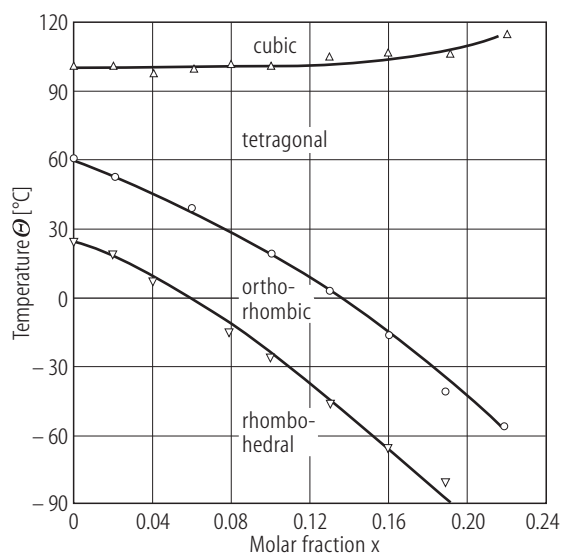
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5a Dielectric constant of (Ba<sub>0.87</sub>Ca<sub>0.13</sub>)(Ti<sub>0.88</sub>Zr<sub>0.12</sub>)O<sub>3</sub> ceramics: see 82Hen  
Dielectric constant: Fig. 1C-c5-003.

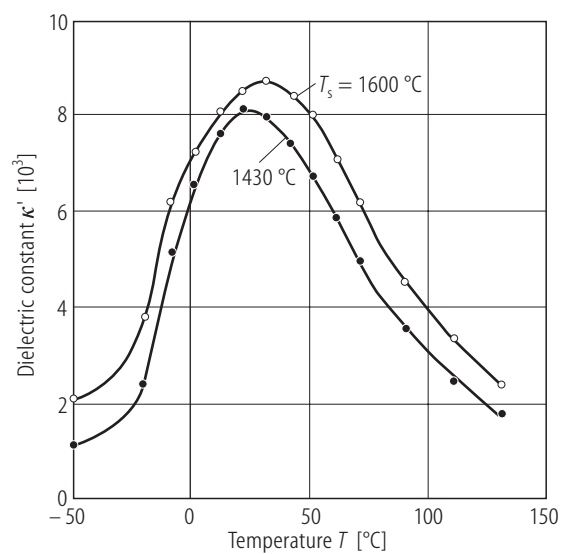
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**Fig. 1C-c5-001.**  $(\text{Ca},\text{Ba})(\text{Ti},\text{Zr})\text{O}_3$ . Phase diagram [54McQ].  
Peripheral numbers indicate the values of lattice constants in Å. C: cubic, O: orthorhombic, T: tetragonal.



**Fig. 1C-c5-002.**  $(\text{Ba}_{1-x}\text{Ca}_x)(\text{Ti}_{0.93}\text{Zr}_{0.07})\text{O}_3$  (ceramics).  $\Theta$  vs.  $x$  [77Hen].  $\Theta$ : transition temperature.



**Fig. 1C-c5-003.**  $(\text{Ba}_{0.80}\text{Ca}_{0.20})(\text{Ti}_{0.82}\text{Zr}_{0.18})\text{O}_3$  (ceramics).  $\kappa'$  vs.  $T$  [77Hen].  $T_s$ : sintering temperature.

**References**

- 54McQ    McQuarrie, M., Behnke, F.W.: J. Am. Ceram. Soc. **37** (1954) 539.  
77Hen    Hennings, D., Schreinemaker, H.: Mater. Res. Bull. **12** (1977) 1221.  
82Hen    Hennings, D., Schnell, A., Simon, G.: J. Am. Ceram. Soc. **65** (1982) 539.