

## Dielectric and ferroelectric properties of the mixed crystals system (C<sub>3</sub>NH<sub>3</sub>)<sub>5</sub>Bi<sub>2</sub>Cl<sub>11(1-x)</sub>Br<sub>11x</sub>.

### Autorzy

J. Mróz

Ryszard Jakubas

### Rok wydania

1996

### Czasopismo

Ferroelectrics

### Numer woluminu

189

### Strony

173-179

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### Kolekcja

Naukowa

### Język

Angielski

### Typ publikacji

Artykuł

### Streszczenie

Dielectric and pyroelectric properties of the mixed crystals system, (CH<sub>3</sub>NH<sub>3</sub>)<sub>5</sub>Bi<sub>2</sub>Cl<sub>11x</sub> (0 < x < 1), were systematically investigated. Temperature dependence of  $\xi_c$  in the vicinity of ferro-paraelectric phase transition was measured for the crystals with x = 0.91, 0.44, 0.27 0.05 in the frequency region 1 kHz-1 MHz. The substitution of bromine atoms by chlorine ones and vice versa, drastically reduces the magnitude of  $\xi_c$  at T<sub>c</sub> but does not influence on the temperature behaviour of the spontaneous polarization.

### Adres publiczny

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