

Electro-optic coefficients of ferroelectric PMACB and PMABB crystals.

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Temperature dependences of linear electro-optic coefficients in two isomorphous ferroelectric crystals (CH₃NH₃)Bi₂Cl₁₁ (PMACB) and (CH₃NH₃)₅Bi₂Br₁₁ (PMABB) have been measured around temperatures of their ferroelectric-paraelectric phase transitions. The employed external reference measuring method (Mach-Zehnder interferometer) allowed for determination of values of all main free Pockels coefficients at room temperature.

Słowa kluczowe

Linear electro-optic effect, Ferroelectrics, Pockels coefficient

Adres publiczny

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