

STRUCTURAL TRANSFORMATIONS  
IN  $\text{Tl}_4\text{HgI}_6$  AND  $\text{Tl}_4\text{CdI}_6$  CRYSTALS AS EVIDENCED  
BY DIELECTRIC PROPERTIES  
AND CONDUCTIVITY

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S u m m a r y

We present the results of experimental studies of the temperature-dependent real part of the dielectric constant and the electrical conductivity for  $\text{Tl}_4\text{HgI}_6$  and  $\text{Tl}_4\text{CdI}_6$  crystals. We show that the crystals under study manifest anomalous behaviors of the both physical properties in the same temperature regions. The latter facts, together with some other recent experimental data, can evidence the presence of structural transformations in those regions.