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28-10-30

TV#2

X-RAY DETERMINATION OF THE THERMAL
EXPANSION COEFFICIENT OF POLYCRYSTALLINE
SUBSTANCES IN THE INTERVAL -50 to 100°C
ZUBENKO V V
UR: KRISTALLOGRAFIYA, 1956, vol 1,
nr 4, pp 436-441

*Negative
4/20/71*

R-6009-D

7 Oct 65

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By: V.P. Butanov and E.G. Poniatovskii

From: KRISTALLOGRAFIYA, Vol 1, No 5, 1956

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(5 pp)

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tions and tables. Do not include figures. Put
figure captions at the end of the article.

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The temperature dependence of the specific susceptibility and the magnetization of natural pyrrhotite specimens is investigated within the temperature range from room temperature to 600°C. The presence of the initial hysteresis of the magnetic properties at temperatures below the λ peak is confirmed. It is shown that the transformation in the region of the λ peak is diffusive in character and takes place isothermally. Rapid cooling leads to absence of a λ peak on the susceptibility-temperature and the magnetic properties of

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tion spirals and the growth spirals are generated around
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<p>DESCRIPTORS: *Quartz, Quartz crystals, Crystals, *Neutrons, *Radiation effects, *Crystal structure.</p>	<p>Office of Technical Services</p>
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