Effect of Melting Temperature Regimes on Change of Interplanar Distance in Quartzite

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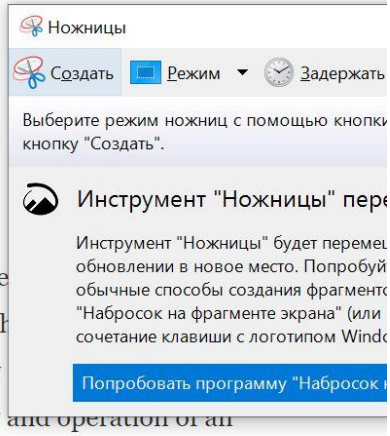

The reliability of an industrial frequency crucible (IFC) induction furnace
manufacture, depends on its lining life. For this reason quartzite as the ch
material is the subject of considerable research work both in our country
aim of the present research is development of manufacturing technology and operation of an
acid lining that is used for melting alloys and with melt operating temperatures above
1450°C. The action of melt thermal regimes on the change in interplanar distances within the
quartzite structure affecting furnace lining life is studied.