

Resistive furnace for single crystals growth

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Keywords: crystal growth equipment, crystallization, crystal growth.

Abstract

The description of the experimental furnace for bulk single crystals growth of oxide materials in air at temperatures up to 1300 °C is presented. In the paper, there is also given the scheme of thermal units that allow to control the crystallization conditions with changing the axial temperature gradient in both cases of spontaneous crystallization, as well as grown on a seed.