

Some aspects of simulating structural transformation in alloys based on immiscible components

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The question has been studied of using the reversal monotectic reaction as technological mean for obtaining alloys based on immiscible components (IC).

The possibility has been shown of using this reaction for developing the methods of obtaining alloys being alternative to the traditional methods of smelting and sintering. The first approximation of physical model of reversal monotectic reaction has been proposed which correlates well with experimental results.