### **Accepted Manuscript**

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PII: S0378-4371(16)30868-8

DOI: http://dx.doi.org/10.1016/j.physa.2016.11.062

Reference: PHYSA 17718

To appear in: Physica A

Received date: 17 April 2016 Revised date: 10 October 2016



Please cite this article as: D.V. Alexandrov, P.K. Galenko, Boundary integral approach for propagating interfaces in a binary non-isothermal mixture, *Physica A* (2016), http://dx.doi.org/10.1016/j.physa.2016.11.062

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#### **ACCEPTED MANUSCRIPT**

# Boundary integral approach for propagating interfaces in a binary non-isothermal mixture

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#### Abstract

A method based on boundary integral approach to the propagation of curved phase interface in a binary non-isothermal mixture is developed. Previously known equations and solutions for thermally controlled growth and needle-like dendrites follow from the obtained boundary integral equations as limiting cases.

Keywords: Growth models; Dendrites; Boundary integral

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