

Accepted Manuscript

Spinodal and line of critical points of the binary solution as envelopes

Vladimir G. Baidakov

PII: S0378-3812(18)30181-X

DOI: [10.1016/j.fluid.2018.05.001](https://doi.org/10.1016/j.fluid.2018.05.001)

Reference: FLUID 11823

To appear in: *Fluid Phase Equilibria*

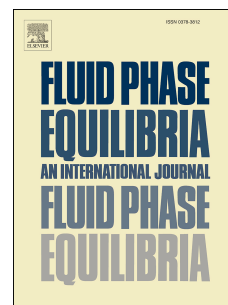
Received Date: 14 February 2018

Revised Date: 17 April 2018

Accepted Date: 1 May 2018

Please cite this article as: V.G. Baidakov, Spinodal and line of critical points of the binary solution as envelopes, *Fluid Phase Equilibria* (2018), doi: 10.1016/j.fluid.2018.05.001.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



$$\mathbf{D} = \begin{vmatrix} \mathbf{u}_{vv} & \mathbf{u}_{vs} & \mathbf{u}_{vx} \\ \mathbf{u}_{sv} & \mathbf{u}_{ss} & \mathbf{u}_{sx} \\ \mathbf{u}_{xv} & \mathbf{u}_{xs} & \mathbf{u}_{xx} \end{vmatrix} = 0$$

$$\mathbf{D}_{xx} = \begin{vmatrix} \mathbf{u}_{vv} & \mathbf{u}_{vs} \\ \mathbf{u}_{sv} & \mathbf{u}_{ss} \end{vmatrix} = 0$$

Mechanical spinodal

Diffusion spinodal

Pressure, p/p_{c1}

0.8

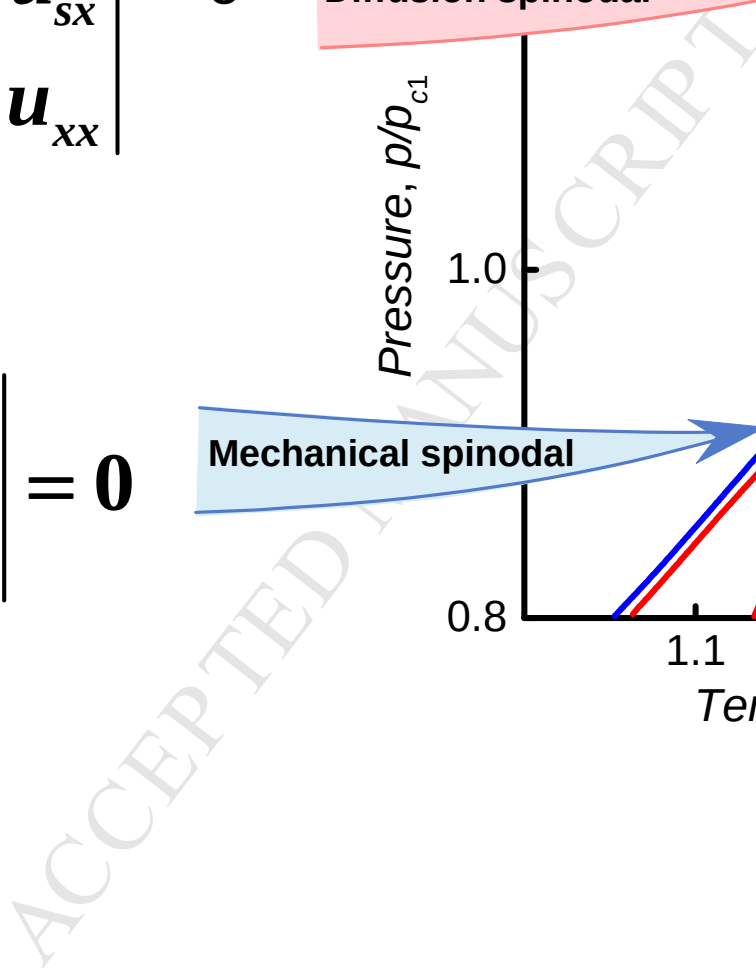
1.1

1.2

Temperature, T/T_{c1}

A

C



Download English Version:

<https://daneshyari.com/en/article/6619125>

Download Persian Version:

<https://daneshyari.com/article/6619125>

[Daneshyari.com](https://daneshyari.com)