

## Mathematical Physics

# Laplacian growth in the half plane

D. Vasiliev, A. Zabrodin

*(Submitted on 24 Dec 2009)*

We investigate a version of the Laplacian growth problem with zero surface tension in the half plane and find families of self-similar exact solutions.

Comments: 17 pages, 6 figures

Subjects: **Mathematical Physics (math-ph)**; Pattern Formation and Solitons (nlin.PS)

Report number: ITEP-TH-73/09

Cite as: [arXiv:0912.4901v1](https://arxiv.org/abs/0912.4901v1) [math-ph]

## Submission history

From: Dmitry Vasiliev [[view email](#)]

[v1] Thu, 24 Dec 2009 20:34:50 GMT (424kb)

*[Which authors of this paper are endorsers?](#)*

## Download:

- [PDF](#)
- [PostScript](#)
- [Other formats](#)

Current browse context:

**math-ph**[< prev](#) | [next >](#)[new](#) | [recent](#) | [0912](#)

Change to browse by:

[math](#)[nlin](#)[nlin.PS](#)

## References & Citations

- [CiteBase](#)

## Bookmark (what is this?)

 [CiteULike logo](#) [Connotea logo](#) [BibSonomy logo](#) [Mendeley logo](#) [Facebook logo](#) [del.icio.us logo](#) [Digg logo](#) [Reddit logo](#)