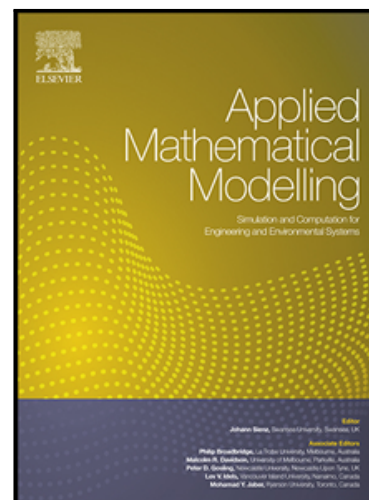


Accepted Manuscript

Bi-flux theory applied to the dispersion of particles in anisotropic substratum

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PII: S0307-904X(18)30338-X
DOI: [10.1016/j.apm.2018.07.022](https://doi.org/10.1016/j.apm.2018.07.022)
Reference: APM 12375



To appear in: *Applied Mathematical Modelling*

Received date: 8 August 2017
Revised date: 5 July 2018
Accepted date: 11 July 2018

Please cite this article as: Maosheng Jiang, Luiz Bevilacqua, Antonio J. Silva Neto, Augusto C.N. Rodrigues Galeão, Jiang Zhu, Bi-flux theory applied to the dispersion of particles in anisotropic substratum, *Applied Mathematical Modelling* (2018), doi: [10.1016/j.apm.2018.07.022](https://doi.org/10.1016/j.apm.2018.07.022)

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Highlights

- A new bi-flux diffusion model is presented with two new coefficients reactivity and particle distribution between fluxes.
- Particles can move from a main flow to a secondary flow, both present simultaneously in the process.
- Particles' movement can be controlled by some external agent or themselves.
- The Bi-flux model may lead to dispersion or concentration covering a wide class of phenomena.
- The secondary flux may be excited by different potential laws.

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