

# Vlasiator test cases technical information

## test\_trans\_1D

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This document gives technical information on the test\_trans\_1D test case.

### 1 Purpose

One-dimensional adaptation of test\_trans to make it faster/possible to compute for accuracy tests with high spatial resolutions.

### 2 Implementation

Straight copy of test\_trans reduced to 1D, making it similar to the grid-aligned test\_fp reduced to 1D.

### 3 Options

The parameters are hard-coded, only the `x_length` should be varied to perform accuracy analysis.