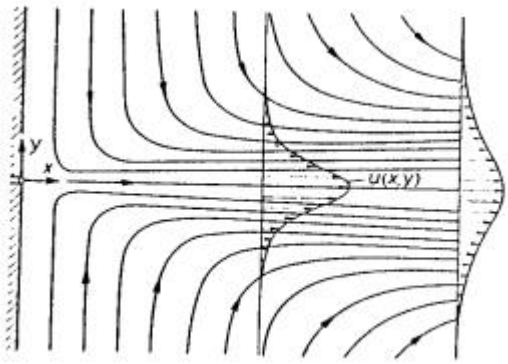
Verification type	Analytical Solutions
Database reference	ANA-7
Topic / Application	Jet releases
Physics	Laminar Flow Jet Flows
Summary	Analytical Solution for Laminar Two-Dimensional Jet
Description	Using boundary layer theory analysis and similarity assumptions this reference derives an analytical expression for velocity evolution for laminar jets issuing from an infinitely thin two-dimensional slit and from a circular nozzle:
Case Title	Laminar Two-Dimensional Jet
Authors	University of Ulster
Year	Dmitriy Makarov, University of Ulster
Online reference	Susana deliverable 4.1
Case image	 Schematic of streamline pattern for the jet (Schlichting, 1979).
Governing equations	Available in source reference
Results	Verification is not undertaken in this paper, rather it presents the analytical solution that could be used for verification.

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