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Report

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Parallel treatment of simulation particles in particle-in-cell codes on SUPRENUM

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This report contains the program documentation and description of the program package 2D-PLAS, which has been developed at the Nuclear Research Center Karlsruhe in the Institute for Data Processing in Technology (IDT) under the auspices of the BMFT. 2D-PLAS is a parallel program version of the treatment of the simulation particles of the two-dimensional stationary particle-in-cell code BFCPIC which has been developed at the Nuclear Research Center Karlsruhe. This parallel version has been designed for the parallel computer SUPRENUM. (orig.)

Availability note (English)

MF available from INIS under the Report Number.

Abstract (German)

Vorliegender Bericht enthaelt die Programmdokumentation und -beschreibung des Arbeitspakets 2D-PLAS, das im Rahmen des vom BMFT gefoerierten SUPRENUM-Projekts im Kernforschungszentrum Karlsruhe im Institut fuer Datenverarbeitung in der Technik (IDT) erstellt wurde. 2D-PLAS ist eine parallele Programm-Version der Behandlung der Simulationsteilchen des im KfK entwickelten zweidimensionalen stationaeren Particle-in-Cell Codes BFCPIC, die speziell fuer den Parallelrechner SUPRENUM entwickelt wurde. (orig.)

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The record is publicly accessible, but files are restricted to users with access.

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