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Author Martin Enmark		
Title (English) Modeling and numerical simulation of preparative chromatography for industrial applications		
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Abstract <p>A new implementation of a numerical solver of a PDE describing a non-linear chromatographic process was developed and evaluated. Solutions of the algorithm was compared to those of available methods and experimental data.</p> <p>Results indicate more accurate solutions of this PDE at low column efficiencies, typically found at production processes at Astra Zeneca. Possible implications of algorithm are more realistic solutions to model and therefore a more accurate basis for modeling and optimization of industrial separation processes.</p>		
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Supervisors Dr. Robert Arnell, Astra Zeneca AB		
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Biology Education Centre Box 592 S-75124 Uppsala	Biomedical Center Tel +46 (0)18 4710000	Husargatan 3 Uppsala Fax +46 (0)18 555217