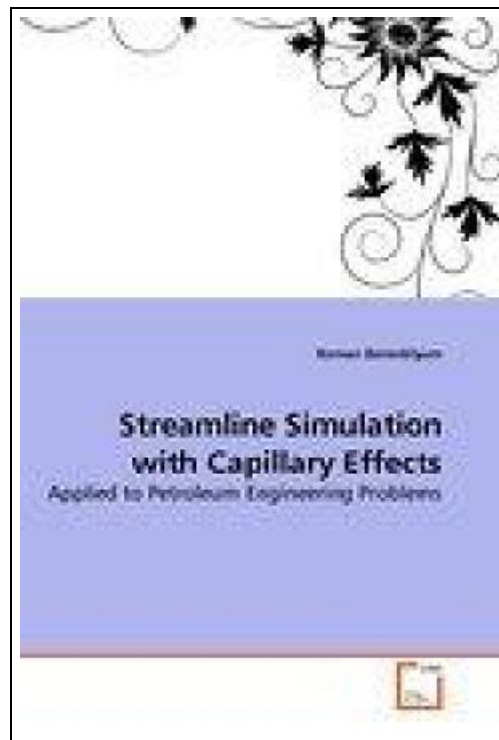


## Streamline Simulation with Capillary Effects : Applied to Petroleum Engineering Problems



Filesize: 3.26 MB

### **Reviews**

*An extremely amazing publication with lucid and perfect answers. It is written in easy phrases instead of confusing. I am just very happy to inform you that this is the best pdf we have read in my own daily life and can be the greatest publication for at any time.*  
**(Mrs. Madonna Bosco)**

## STREAMLINE SIMULATION WITH CAPILLARY EFFECTS : APPLIED TO PETROLEUM ENGINEERING PROBLEMS



VDM Verlag Dez 2009, 2009. Taschenbuch. Condition: Neu. This item is printed on demand - Print on Demand Neuware - The advantages of the streamline methods are their exceptional simulation speed and less dispersed solutions. However streamlines provide limited abilities, compared to finite-difference simulators. One of such drawbacks is lack of capillary effects, which may be crucially important in heterogeneous and fractured reservoirs. The book starts with an introduction into the fluid flow in the porous media and capillary effects. In the second chapter the mathematical formulation of the governing equations with capillary effects are presented. A Capillary-Viscous Potential (CVP) is introduced as a modification to the pressure equation with capillary effects for a better handling of the heterogeneities in the porous media. The saturation equation is solved using the operator splitting method. The third chapter presents simulation results of a number of test cases. The time step selection methods are evaluated. The fourth chapter investigates the zone of application of the streamline simulator with capillary effects. Finally conclusions are drawn and possible research topics for the future are briefly addresses. 180 pp. Englisch.



[Read Streamline Simulation with Capillary Effects : Applied to Petroleum Engineering Problems Online](#)



[Download PDF Streamline Simulation with Capillary Effects : Applied to Petroleum Engineering Problems](#)

## Other PDFs



### **ESL Stories for Preschool: Book 1**

Createspace, United States, 2013. Paperback. Book Condition: New. 212 x 210 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.A big attractive colourful book for ESL beginners, aged 3 to 5. It...

[Save PDF »](#)



### **Rhythm Science (Mixed media product)**

MIT Press Ltd, United States, 2004. Mixed media product. Book Condition: New. New.. 193 x 145 mm. Language: English . Brand New Book. Once you get into the flow of things, you re always haunted...

[Save PDF »](#)



### **Free to Learn: Introducing Steiner Waldorf Early Childhood Education**

Hawthorn Press Ltd. Paperback. Book Condition: new. BRAND NEW, Free to Learn: Introducing Steiner Waldorf Early Childhood Education, Lynne Oldfield, A guide to the principles and methods of Steiner Waldorf Early Childhood education. Lynne Oldfield...

[Save PDF »](#)



### **Who Am I in the Lives of Children? an Introduction to Early Childhood Education, Enhanced Pearson Etext with Loose-Leaf Version -- Access Card Package**

Pearson, United States, 2015. Book. Book Condition: New. 10th. 250 x 189 mm. Language: English . Brand New Book. NOTE: Used books, rentals, and purchases made outside of Pearson If purchasing or renting from companies...

[Save PDF »](#)



### **Who Am I in the Lives of Children? an Introduction to Early Childhood Education with Enhanced Pearson Etext - Access Card Package**

Pearson, United States, 2015. Paperback. Book Condition: New. 10th. 251 x 203 mm. Language: English . Brand New Book. NOTE: Used books, rentals, and purchases made outside of Pearson If purchasing or renting from companies...

[Save PDF »](#)