



Geomechanics and Fluidodynamics

By Nikolaevskiy, Victor N.

Book Condition: New. Publisher/Verlag: Springer Netherlands | With Applications to Reservoir Engineering | This monograph is based on subsurface hydrodynamics and applied geomechanics and places them in a unifying framework. It focuses on the understanding of physical and mechanical properties of geomaterials by presenting mathematical models of deformation and fracture with related experiments. Preface. 1: Deformation and fracture of geomaterials. 1.1 Principles of continuum mechanics. 1.2. Thermodynamics and rheology of geomaterials. 1.3. Dilatant elasto-plasticity of geomaterials. 1.4. Particle rotation effects in granulated materials. 1.5. Brittle fracturing of rocks. 2: Mechanics of saturated geostratum. 2.1. Interpenetrating continua. 2.2. Microstructure and permeability. 2.3. Dynamic poro-elasticity. 2.4. Pore pressure and induced deformation of saturated strata. 2.5. Hydrofailure and hydrofracturing of rocks. 3: Hydrodynamics of reservoirs. 3.1. Basic nonstationary flows of a homogeneous fluid. 3.2. Stationary flows and well spacing. 3.3. Two-phase flows in reservoirs. 3.4. Flows in fractured reservoirs. 3.5. Filter-convective diffusion. 4: Complicated phenomena in reservoirs. 4.1. Miscible and gas-condensate flows. 4.2. Permafrost and gas-hydrate mechanics. 4.3. Electrokinetic effects. 4.4. Physical measurements in wells. 4.5. Rupture in dilating geomaterials. 5: Explosions and seismics in a geostratum. 5.1. Elementary theory of underground explosion. 5.2. Fronts and evolution of seismic waves. 5.3. Seismics...

Reviews

I actually began reading this article pdf. It really is filled with wisdom and knowledge You wont sense monotony at at any time of the time (that's what catalogues are for concerning should you request me).

-- Ena Klein MD

Definitely among the finest pdf I actually have at any time read through. It is one of the most amazing pdf i actually have study. I discovered this ebook from my i and dad recommended this pdf to find out.

-- Turner Stiedemann

See Also



TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the Youth Pre-employment Training software download generated pictures...



TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the Youth Pre-employment Training software download generated pictures...



Wacky Stories with Twist Endings Volume 1

Createspace, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****. Everything about Andy is too good to be true, so what is his secret? Has Joan really got everything that...



Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel's System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English. Brand New Book ***** Print on Demand *****. This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original...



Your Pregnancy for the Father to Be Everything You Need to Know about Pregnancy Childbirth and Getting Ready for Your New Baby by Judith Schuler and Glade B Curtis 2003 Paperback

Book Condition: Brand New. Book Condition: Brand New.



Christmas Stories: Christmas Stories, Funny Christmas Jokes, and Christmas Coloring Book!

Createspace Independent Publishing Platform, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English. Brand New Book ***** Print on Demand ******. Christmas Stories, Christmas Jokes, and a Coloring Book! Christmas is almost here and the excitement is all around!...