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Solved with COMSOL Multiphysics 4.2a Heat Transfer by Free ...
Solved with COMSOL Multiphysics 4.0a. ... solve the Reynolds equation. Because the pressure is constant through the lubricant

Solved with COMSOL Multiphysics 4.4 Fresnel Equations
r z Solved with COMSOL Multiphysics 4.2 2 | PERISTALTIC PUMP ©2011 COMSOL Figure 1: The geometry of the peristaltic pump as it is deforming under the pressure of the roll. The tube is rotationally symmetric with respect to the z-axis.

Comsol Multiphysics
Solved with COMSOL Multiphysics 5.0 3 | FRESNEL EQUATIONS Results and Discussion Figure 2 is a combined plot of the y component of the electric-field distribution and the power flow visualized as an arrow plot for the TE case.

Solved with COMSOL Multiphysics 4.3 Backstep
Solved with COMSOL Multiphysics 4.3b 6 | BOILING WATER ©2013 COMSOL (6) where is the rate of vaporization (kg/m 2·s).There is a lot of physics in Equation 6 and a short discussion is necessary.

Solved with COMSOL Multiphysics 5.0 Fresnel Equations
Solved with COMSOL Multiphysics 4.2a 2 | HEAT TRANSFER BY FREE CONVECTION ©2011 COMSOL Figure 2: Using symmetry to reduce computation time and complexity. The model describes one section of the array of heating tubes (indicated by the dashed lines).

Solved with COMSOL Multiphysics 4.3b Boiling Water
Solved with COMSOL Multiphysics 4.3b 2 | ORANGE BATTERY ©2013 COMSOL The other nail consists of copper, and here hydrogen evolution is assumed to take place: (2) The model for the currents in the orange and electrodes is set up using the Secondary

Solved with COMSOL Multiphysics 4.2 Peristaltic Pump
1 1 Release Notes C OMSOL Multiphysics version 4.3 contains many new functions and additions to the COMSOL product suite. These Release Notes provide information regarding new functionality in existing products and an overview of new products.

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Solving Poisson's Equation with COMSOL Multiphysics inside of a sphere. http://bit.ly/gySADu.

Solved with COMSOL Multiphysics 4.2 Cavity Radiation
Solved with COMSOL Multiphysics 4.2 ©2011 COMSOL 1 | POROUS REACTOR WITH INJECTION NEEDLE Porous Reactor with Injection Needle Introduction This model treats the flow field and species distribution in an experimental reactor for

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Solved with COMSOL Multiphysics 4.1 SLOSHING TANK | 3 the fluid equations but also on the moving mesh equations. This effect would not be correct, and one remedy is to use weak constraints. For more information about weak constraints, see the section “Using Weak Constraints” in the COMSOL Multiphysics User’s Guide.

Solved with COMSOL Multiphysics 4.3b Orange Battery
COMSOL Multiphysics v5.4 engineering simulation software environment facilitates all steps in the modeling process - defining your geometry, meshing, specifying your physics, solving, and then visualizing your results.The model set-up is quick, thanks to a number of predefined physics interfaces for applications ranging from fluid flow and heat transfer to structural mechanics and ...

Solved with COMSOL Multiphysics 4.2 Porous Reactor with ...
Solved with COMSOL Multiphysics 4.4 3 | FRESNEL EQUATIONS. Results and Discussion. Figure. 2 is a combined plot of the . y. component of the electric-field distribution and

(PDF) Solved with COMSOL Multiphysics 4.3 | Di Huang ...
Solved with COMSOL Multiphysics 4.2 4 | CAVITY RADIATION ©2011 COMSOL. Figure . 4 plots the radiosity along the inclined boundary (in other words, the total heat flux that leaves the boundary into the cavity). The radiosity is the sum of the heat flux the boundary . emits. plus the heat flux it . reflects.

Poisson's Equation
Solved with COMSOL Multiphysics 4.3a ©2012 COMSOL . 3 | MAGNETIC LENS . field strength, therefore the electrons spiral in tighter paths bringing the focal length closer. Figure 2: Plot of the electron trajectories travelling through the magnetic lens. The ability to change the focal length of a lens is useful as it allows the focusing onto

Solved With Comsol Multiphysics 4
Solved with COMSOL Multiphysics 4.1 LAMINAR FLOW IN A BAFFLED STIRRED MIXER | 1 Laminar Flow in a Baffled Stirred Mixer Introduction This exercise exemplifies the use of the rotating machinery feature in the CFD Module.

Solved with COMSOL Multiphysics 4.1 Fluid Damper
Solved with COMSOL Multiphysics 4.4 Po we r T r a ns i s t o r Introduction Transistors are building blocks of electronic appliances, and can be found in radios, computers, and calculators, to name a few.

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Solved with COMSOL Multiphysics 4.1 Laminar Flow in a ...
Solved with COMSOL Multiphysics 4.1 FLUID DAMPER | 3 (1) The reference material properties of silicone oil are used. No-slip wall boundary conditions are applied for both ends of the damper cylinder and

Solved with COMSOL Multiphysics 4.1 Sloshing Tank
Solved with COMSOL Multiphysics 4.3 ©2012 COMSOL 1 | BACKSTEP Backstep Introduction This tutorial model solves the incompressible Navier-Stokes equations in a backstep geometry. A characteristic feature of fluid flow in geometries of this kind is the recirculation region that forms where the flow exits the narrow inlet region. The model

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