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Numerical simulation on the plastic flow near the bonding surface of explosive welding is executed under some limited conditions. In order to calculate the bonding interface generation in explosive welding, a second order finite difference method is developed for

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elastic-plastic material.

*Numerical simulation of vortical
flows in the near field ...
environmental criteria and coupling
the near and far field process. The
research of Zeitoun et al. (1972) and
Pincince and List field studies More*

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numerical studies[8,7]. about the negatively plume indicate that the numerical modelling is a reliable tool to evaluate the brine discharge behaviour in the near field region [4,5].

Numerical simulation analysis of a

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near-field optical ...

***Direct Numerical Simulation of Near
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Wiener Chaos Expansion of
Thermal Fluctuating Current Sy-Bor
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Engineering,***

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Numerical simulation of the plastic flow field near the ...

The numerical simulation results of the axial velocity component at the wake center are lower than the measured values, but the maximum deviation is less than 10 %. For the tangential and radial velocity

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components, the numerical simulation results near the wake center are notably different from measured values.

***Numerical simulation of electrostatic field and flow field ...
The complex nature of the flow field***

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poses challenges for numerical simulations, such as the presence of propeller jets and three different phases: water, sediment, and air bubbles. The model has been applied to simulate the effect of a so-called environmental valve, which reduces air inclusion.

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***Numerical Simulation of Viscous
Jet for Near-Field ...***

***Numerical simulation of vortical
flows in the near field of jets from
notched circular nozzles***

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***Nanoparticle Images in Scanning ...
Numerical simulation of
fluorescence correlation
spectroscopy (FCS) based on near-
field scanning optical microscopy
(NSOM) was performed. A finite-
difference time-domain method was
employed to calculate the electric***

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field distribution in the vicinity of the NSOM aperture and the Brownian motion of nanoparticles was reproduced by a Monte Carlo simulation.

Numerical Simulation of Near-Field Dredging Plumes ...

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method of numerical simulation as applied to SNOM images of nanoparticles. THEORETICAL AND MATHEMATICAL PHYSICS

Numerical Simulation of Nanoparticle Images in Scanning Near-Field Optical Microscopy V. I. Belotelov 1, 2, A. P. Pyatakov 1, 2,

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***A. K. Zvezdin 1, 2, V. A. Kotov 1,
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of near-field explosion | The objective of this study is to simulate shock wave due to near-field explosion by using Arbitrary-Lagrangian-Eulerian (ALE) fluid ...

Numerical simulation of near-field focusing phenomena ...

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***Numerical Simulation of Near-Field
Seismoacoustic Probing of a Layer
Inclusion in a Homogeneous Infinite
Medium Spatial distribution of
acoustic and elastic waves
generated by an elementary
vibration source at seismic profiling
frequencies in an infinite medium***

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close to a layer inclusion, i.e., an extended layer, is numerically simulated.

Direct Numerical Simulation of Near Field Thermal ...

Numerical Simulation of Near-Field Explosion Ding-Shing Cheng¹,

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***Cheng-Wei Hung² and Sheng-Jung
Pi^{2*} 1 Department of Environmental
Information and Engineering,
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***Numerical simulation of vortical
flows in the near field ...***

***Numerical simulation of near-field
focusing phenomena depending on
the radius of curvature and the***

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***refractive index of microlens H. G.
Park, G. J. Lee and Y. M. Song*
Department of Electronics
Engineering, Pusan National
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63beon-gil, Geumjeong-gu, Busan
609-735, Republic of Korea *E-mail :
ysong@pusan.ac.kr Abstract- We ...***

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***Numerical Simulation Of Near Field
This letter gives the numerical
simulation results of the optical
distribution of a near-field virtual
probe and analyzes the dependence
of the virtual probe's on the***

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aperture, the polarization, etc. The simulation results reveal that the transmission efficiency is higher than that of a nanoaperture metal-coated fiber probe.

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***Numerical Simulation of Near-Field
Seismoacoustic Probing of a Layer
Inclusion in a Homogeneous Infinite
Medium Yury Mikhailovich
Zaslavsky, Vladislav Yuryevich
Zaslavsky Institute of Applied
Physics, Russian Academy of
Sciences, Nizhny Novgorod, Russia***

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Email: zaslav@hydro.appl.sci-nnov.ru

***Numerical Simulation of Near Field
and Far Field Brine ...***

***Direct numerical simulation has
been used to examine the near-field
dynamics of annular gas-liquid two-***

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phase jets. Based on an Eulerian approach with mixed fluid treatment, combined with an adapted volume of fluid method and a continuum surface force model, a mathematical formulation for the flow system is presented. The swirl introduced at the jet nozzle exit is

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*based on analytical inflow
conditions.*

*Numerical Simulation of Near-Field
Seismoacoustic Probing ...
Near-Field Electrospinning (NFES)
is a newly developed method to
fabricate continuous and ordered*

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solid nanofibers, with smaller spinneret-to-collector-distance the behavior of viscous jet would play a more prominent effect on the deposition and morphology of nanofiber. In this paper, a 2-dimentional physical model based on electrohydrodynamics and

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rheology was set up to discuss the morphology ...

Numerical simulation of near-field fluorescence ...

Numerical simulation of vortical flows in the near field of jets from notched circular nozzles

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***(PDF) Numerical Simulation of a
Near-Wall Bubble Collapse ...
The ion charge density near the
second corona electrode is
relatively small. A small wire-wire
distance will make the electric field
concentrated around the wires.***

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Conclusion: According to this study, the wire-wire distance and the wire-plate distance have great effect on the distribution of ion charge density and electric field strength.

Numerical simulation of the near-

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wake flow field of a ...

Numerical simulation of a near wall bubble collapse is performed by Osterman et al. [135] in an ultrasonic pressure field. This numerical simulation has considered a 2-D and axisymmetric model. ...

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