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Optically Induced Space-charge and Conductivity Gratings

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TECHNIQUES APPLICATIONS opal-blue eyes, to the opal in the navel, to the long legs in low-rider white
toreador pants, to the sandals. In addition to the bed, the room contained

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... Stimulated by the development of real-time holographic display and optical information processing, exploration of new PR materials and optimising the existing ...

Optically induced space-charge fields, dc voltage, and

We report an optically controlled and space-charge related formation and erasure of large electric fields in the electrode region of CdTe:In. The measurement of the field distribution under different illumination conditions can be explained by a simple model.

Optically Controlled Space Charge Fields under the

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Optically Induced Space-charge and Conductivity Gratings

Longitudinal Space-Charge Induced Optical Microbunching A. Marinelli, J. B. Rosenzweig and A. Pham
UCLA Dept. of Physics and Astronomy FEL 2009, Liverpool, UK August 25, 2009. ... space-charge force calculation. FFT IFFT Field calculated in the rest frame and then Lorentz-transformed back to the Lab Frame.

Molecular Dynamics Simulation of Longitudinal Space-Charge

MODELS OF SPACE-CHARGE INDUCED OPTICAL MICROBUNCHING A. Marinelli, J. B. Rosenzweig
Particle Beam Physics Laborator y, UCLA, Los Angeles, CA, 90095 USA and Università degli Studi di
Roma, La Sapienza, Via A. Scarpa 14, Roma 00161 Italy Abstract Longitudinal space-charge forces can be a
major source of micro-bunching instability.

Models of Space-Charge Induced Optical Micro-Bunching

Discrete solitons in photorefractive optically induced photonic lattices Nikos K. Efremidis, Suzanne Sears,
and Demetrios N. Christodoulides ... where E_{sc}^{ext} is the external space-charge field under external bias.

Next, we identify methods to establish optically induced ... and e is the electron charge. u represents

Discrete solitons in photorefractive optically induced

Optically induced spin-dependent diffusive transport in the presence of spin- ... will give rise to ISHE-induced charge currents parallel to and \vec{r} , respectively. $C J z$... In order to demonstrate the possibility of optically-induced magnetization reversal, the

Optically induced spin-dependent diffusive transport in

Optically induced space-charge fields, dc voltage, and extraordinarily large nonlinearity in dye-doped nematic liquid crystals. Khoo IC, Slussarenko S, Guenther BD, Shih MY, Chen P, Wood WV. We have observed extraordinarily large optical nonlinearity in Methyl Red-doped nematic liquid-crystal film.

Optically induced space-charge fields, dc voltage, and

Longitudinal Space-Charge Induced Optical Microbunching A. Marinelli, J. B. Rosenzweig UCLA Dept. of Physics and Astronomy And Università degli Studi di Roma, La Sapienza Microbunching Instability III Frascati, ... frequency space-charge related phenomena has been developed.

Analytical and Numerical Models of Longitudinal Space

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