physicals-uspekhi

english edition of uspekhi fizicheskikh nauk

volume 49
number 4
2006
pages 333–440

contents

reviews of topical problems

bose–einstein condensates in a laser radiation field
l p pitaevskii

inelastic light scattering spectroscopy of electron systems in single and double quantum wells
l v kulik, v e kirpichev

simple metals at high pressures: the fermi sphere–brillouin zone interaction model
v f degtyareva

methodological notes

properties of backward electromagnetic waves and negative reflection in ferrite films
a v vashkovsky, e h lock

the role of bohr frequencies in the scattering, luminescence, and generation of radiation in different media
v e ogluzdin

first-order relativistic effects in the electrodynamics of media moving with a nonuniform velocity
n n rozanov, g b sochilin

continued overleaf
CONFERENCES AND SYMPOSIA

Scientific session of the Physical Sciences Division of the Russian Academy of Sciences (19 December 2005):

Electric power transmission using laser radiation
O N Krokhin

Portable fuel cells: their physics and micro- and nanotechnologies
A G Zabrodskii

Physics research during nuclear explosions
E N Avrorin, V A Simonenko, L I Shibarshov

Physics news on the Internet
Yu N Eroshenko

PERSONALIA

In memory of Aleksandr Leonidovich Suvorov