

Contents

897	Exoplanets: nature and models M Ya Marov, I I Shevchenko	837
933	Electromagnetic analogue of a first-type leaky surface elastic wave for the single interface between transparent dielectric media Yu V Gulyaev, S V Tarasenko, V G Shavrov	872
950	Resonant charge transfer during ion scattering on metallic surfaces I K Gainullin	888
971	Precise determination of crystal lattice parameters V V Lider	907
995	Measuring the inclusive cross section of e^+e^- annihilation into hadrons in the pre-asymptotic energy range K Yu Todyshev	929
1007	Gerasim Matveevich Eliashberg (on his 90th birthday)	940
1006	Physics news on the Internet Yu N Eroshenko	942

◇ ◇ ◇

In the next issue

Dielectric magnonics: from gigahertz to terahertz

S A Nikitov, A R Safin, D V Kalyabin, A V Sadovnikov,
E N Beginin, M V Logunov, M A Morozova, S A Odintsov,
S A Osokin, A Y Sharaevskaya, Yu P Sharaevsky, A I Kirilyuk

Collective plasma excitations in two-dimensional electron systems

V M Muravev, I V Kukushkin

Conductivity of quantum dots array

K V Reich

*Investigation of the physical properties of carbon under high temperatures
(on the experimental studies)*

A I Savvatimskii, S V Onufriev

*Irrotational flow (of a magnetic field or incompressible fluid)
around a screen with a slot*

S F Garanin, S D Kuznetsov

In memory of Vladimir Il'ich Talanov

In memory of Dmitrii Ivanovich Trubetskov

Physics news on the Internet



September 2020
Volume 63, Number 9

Translation of the Russian journal
Успехи физических наук, Uspekhi Fizicheskikh Nauk
September 2020, Volume 190, No. 9