

Volume 54
 Number 3
 2011
 Pages 227–330

PHYSICS- USPEKHI

English edition of *Uspekhi Fizicheskikh Nauk*
 March 2011 Volume 181 Number 3

*Russian original
 reference*
Usp. Fiz. Nauk
 Vol. **181**, pages

Contents

*English translation
 reference*
Phys. Usp.
 Vol. **54**, pages

REVIEWS OF TOPICAL PROBLEMS

233 **Graphene: fabrication methods and thermophysical properties** 227
 A V Eletskii, I M Iskandarova, A A Knizhnik, D N Krasikov

269 **Universal randomness** 259
 V S Dotsenko

METHODOLOGICAL NOTES

293 **On the relationship between magnetostatic wave energy
 and dispersion characteristics in ferrite structures** 281
 A V Vashkovsky, E H Lock

305 **Conversion of surface plasmon polaritons into photons:
 visual observation** 291
 V B Zon, B A Zon, V G Klyuev, A N Latyshev,
 D A Minakov, O V Ovchinnikov

FROM THE HISTORY OF PHYSICS

307 **About people with the same life attitude: 100th anniversary
 of Lebedev's lecture on the pressure of light** 293
 V V Ragulsky

319 **Selecting and using materials for a nuclear rocket engine reactor** 305
 A G Lanin, I I Fedik

Continued overleaf

*Russian original
reference
Usp. Fiz. Nauk
Vol. 181, pages*

Contents continued

*English translation
reference
Phys. Usp.
Vol. 54, pages*

PERSONALIA

- 335 **In memory of Yury Vladimirovich Gaponov** **319**
Yu G Abov, E P Velikhov, S S Gershtein,
S P Denisov, G V Domogatskii, A A Korshennikov,
V A Matveev, Yu Ts Oganessian, V Ya Panchenko,
O G Ryazhskaya, V A Rubakov, A N Sissakian
- 337 **In memory of Kirill Sergeevich Aleksandrov** **321**
A L Aseev, V V Vlasov, A P Derevyanko,
V V Kuleshov, V P Mel'nikov, V I Molodin,
V N Parmon, R Z Sagdeev, A N Skrinky,
V M Fomin, V F Shabanov, Yu I Shokin
- 339 **In memory of Yurii Aleksandrovich Izyumov** **323**
A L Aseev, L P Gor'kov, B N Goshchitskii,
Yu V Gulyaev, Yu M Kagan, I K Kamilov,
Yu V Kopaev, G A Mesyats, A Yu Rumyantsev,
M V Sadvskii, V V Ustinov, V N Charushin
- 341 **In memory of Alexei Borisovich Kaidalov** **325**
Yu G Abov, K G Boreskov, M I Vysotskii,
M V Danilov, I M Dremin, V I Zakharov,
B L Ioffe, L N Lipatov, L B Okun,
Yu A Simonov, A N Skrinky, A V Turbiner

BIBLIOGRAPHY

- 343 **New books on physics and related sciences** **327**
E V Zakharova
- 344 **Physics news on the Internet** **329**
Yu N Eroshenko