

# PHYSICS- USPEKHI

English edition of *Uspekhi Fizicheskikh Nauk*  
May 2002 Volume 172 Number 5

## Contents

**Volume 45**  
**Number 5**  
**2002**  
**Pages 455 – 567**

### REVIEWS OF TOPICAL PROBLEMS

**Baryons with two heavy quarks** 455  
V V Kiselev, A K Likhoded

**Multiparticle production and quantum chromodynamics** 507  
I M Dremin

**Kinetic coefficients in isotopically disordered crystals** 527  
A P Zhernov, A V Inyushkin

### METHODOLOGICAL NOTES

**Dipole-wave theory of electromagnetic diffraction** 553  
V G Niz'ev

**Measuring the gravitational constant in a university laboratory** 561  
N S Stepanov, A V Shisharin

### PERSONALIA

**In memory of Édouard Leonovich Nagaev** 565  
A F Andreev, V G Bar'yakhtar, A V Vedyayev, V L Ginzburg,  
Yu V Gulyaev, V E Zil'bervarg, Yu A Izyumov, I K Kamilov,  
K I Kugel', S G Ovchinnikov, D I Khomskii, V G Shavrov

**Physics news on the Internet** 567  
Yu N Eroshenko