

PHYSICS– USPEKHI

English edition of *Uspekhi Fizicheskikh Nauk*
 April 1998 Volume 168 Number 4

Contents

Volume 41
Number 4
1998
Pages 313–417

| | |
|---|-----|
| REVIEWS OF TOPICAL PROBLEMS | |
| Problems of probabilistic topology: the statistics of knots and non-commutative random walks | 313 |
| S K Nechaev | |
| Non-equilibrium thermodynamics and kinetic theory of rarefied gases | 349 |
| V M Zhdanov, V I Roldugin | |
| Vibrational relaxation of excimers | 379 |
| V V Datsyuk, I A Izmaïlov, V A Kochelap | |
| METHODOLOGICAL NOTES | |
| Translation invariance and the problem of the bipolaron | 403 |
| V D Lakhno | |
| PERSONALIA | |
| In memory of Vladimir Naumovich Gribov | |
| A A Ansel'm, V L Ginzburg, Yu L Dokshitser, I T Dyatlov, V E Zakharov, B L Ioffe, L N Lipatov, N N Nikolaev, L B Okun', Yu V Petrov, K A Ter-Martirosyan, I M Khalatnikov | 407 |
| In memory of Lev Mikhaiłovich Erukhimov | 409 |
| V A Alimov, A V Gaponov-Grekhov, V L Ginzburg, V V Zheleznyakov, V A Zverev, N A Mityakov, V O Rapoport, A V Rakhlin, V I Talanov, V P Uryadov, V L Frolov, O A Sheiner | |
| BIBLIOGRAPHY | |
| The Fokker–Planck equation | 411 |
| A I Olemskoĭ | |
| Physics news on the Internet | 417 |
| Yu N Eroshenko | |