

2013年度 物理学科大輪講 第3回

日時：10月30日(水)14時40分から

場所：北1号館201教室

時間：25分(発表20分、討論5分)

前半(14:40-15:55)

座長：田崎

1. 10-041-008 (徳川研究室) 14:40-15:05
Method for the Constrained Design of Natural Laminar Flow Airfoils
Bradford E. Green, John L. Whitesides, Richard L. Campbell and Raymond E. Mineck,
JOURNAL OF AIRCRAFT, Vol. 34, No. 6, 1997, pp. 706-712.
2. 10-041-030 (平野研究室) 15:05-15:30
Loophole-free Einstein-Podolsky-Rosen experiment via quantum steering
Bernhard Wittman, Sven Ramelow, Fabian Steinlechner, Nathan K. Langford, Nicolas Brunner, Howard M. Wiseman, Rubert Ursin and Anton Zeilinger
New J. Phys. **14**, 053030 (2012).
3. 09-041-056 (渡邊研究室) 15:30-15:55
The effect of rotation on resonant frequency of interfacial oscillation of a droplet using electrostatic levitator
Rui Tanaka, Satoshi Matsumoto, Akiko Kaneko and Yutaka Abe
Journal of Physics Conference Series 327 012021 (2011)

後半 (16:05–17:20)

座長：井田

4. 10-041-041 (荒川研究室) 16:05–16:30
Photodesorption of hydrogen molecules physisorbed on Ag: Isotope dependence of translational-energy distribution
K. Fukutani, K. Niki, T. Ito, H. Tashiro, M. Matsumoto, M. Wilde, T. Okano, W. A. Diño, H. Kasai
Surface Science vol. 593 (2005) 229-234

5. 06-041-015 (荒川研究室) 16:30–16:55
Theoretical Isotherms for Physical adsorption at Pressures below 10^{-10} Torr
J. P. Hobson
J. Vac. Sci. Technol. vol. 3, no. 5, P. 281 (1966)
Theoretical submonolayer adsorption isotherms for hydrogen on heterogeneous surface
J. P. Hobson
J. Vac. Sci. Technol. A, Vol. 13, No. 3, P. 549 (1995)

6. 10-041-042 (高橋研究室) 16:55–17:20
Basic Concepts in NMR
THOMAS C. FARRAR, EDWIN D. BECKER
Pulse and Fourier Transform NMR p.1(1971)

7. 10-041-027 (理論研究室) 17:20–17:45
A class of homogeneous cosmological models
Ellis, G. F. R.; MacCallum, M. A. H.
Commun. math. Phys, vol.12, p.108 (1969)