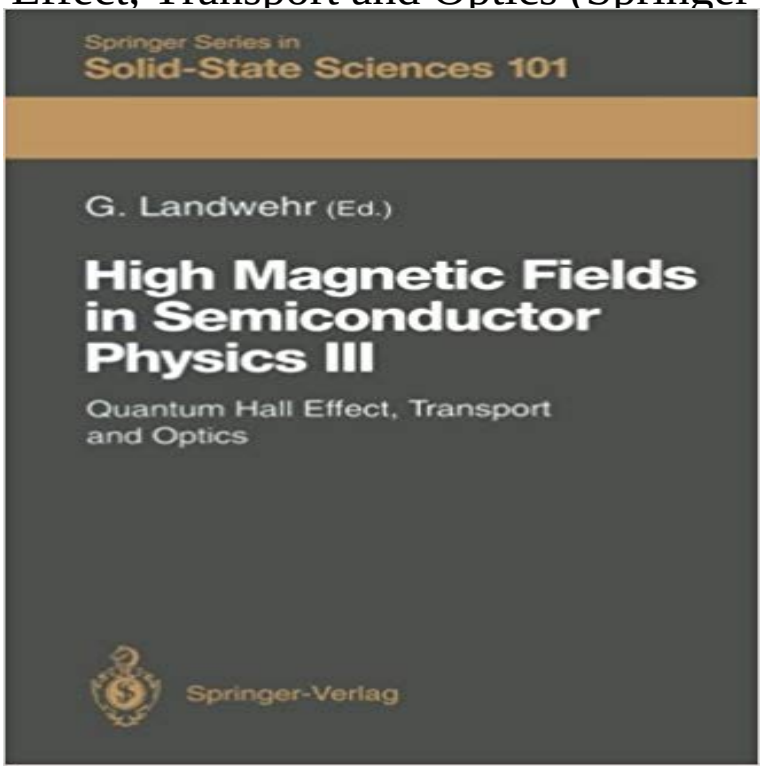
High Magnetic Fields in Semiconductor Physics III: Quantum Hall Effect, Transport and Optics (Springer Series in Solid-State Sciences)



High magnetic fields have, for a long time, been an important tool in the investigation of the electronic structure of semiconductors. In recent yearsstudies of heterostructures and superlattices have predominated, and this emphasis is reflected in these proceedings. The contributions concentrate on experiments using transport and optical methods, but recent theoretical developments are also covered. Special attention is paid to the quantum Hall effect, including the problem of edge currents, the influence of contacts, and Wigner condensation in the fractional quantum Hall effect regime. The 27 invited contributions by renowned expertsprovide an excellent survey of the field that is complemented by numerous contributed papers.

Welcome to the blog of Joan le Grande. I'm changing the blog to english so forgive me the dutch articles before. I already translated a few, keeping it up! Anyway, stay tuned for lifestyle articles and reviews about games or other nerdy stuff. Enjoy! Categories Comics Games Playstation 4 Wii U Lifestyle Posted by Joan le Grande in Games, Playstation 4 Leave a comment Tagsexperience, first look, Games, Playstation 4, Playstation VR review, ps4 VR review, viraal reality YES YES YES. I’m super hyped about the VR, but you obviously knew that already because of my last blogpost. There were a few hiccups because I ordered it online and I was working during the time it came. I stressed, freaked, jumped and finally gave up on the thought I got to play on the day it came out. But luck was on my side and when I got home, 20 minutes later the VR glasses arrived! In this post I will take you with me on my first experience with virtual reality. Was it as awesome as I hoped? Or is nauseating and not really my cup of tea? Read and find out!

High Magnetic Fields In Semiconductor Physics Iii: Quantum Hall S.V. Iordanski, Fractional Quantum Hall Effect and vortex Lattices, Pisma v .. fields, In: Landwehr, G. (editor): High Magnetic Fields in Semiconductor Physics III: Proceedings of the International Conference, Wurzburg 1990, Springer Series in Solid-State Sciences 101, Springer, Berlin (1992). Transport and Optics. Proc. **Fractional Quantum Hall Effect Experiments in Pulsed Magnetic Fields** The Springer Series in Solid-State Sciences consists of fundamental fascinating field of electron dynamics in semiconductors, a field that, through of the fundamentals of classical and quantum physics to a brief review of Parts II and III, respectively, develop transport theory in .. 11.4 High-Magnetic-Field Effects . **Springer Series in Solid-State Sciences - Springer Link** Cyclotron resonance (CR) and quantum transport measurements are Hall Effect, Fractional and Integral (Springer Series in Solid State Sciences 85) Englert T, Maan J C, Uihlein C, Tsui D C and Gossard A C 1983 Solid State Commun. High Magnetic Fields in Semiconductor Physics II (Springer Series in Solid State

Oscillations of 2D electron density in GaAs/Ga0.67Al0.33As Photoluminescence experiments on modulation-doped single quantum wells yield a Fields in Semiconductor Physics III (Springer Series in Solid-State Sciences vol of the electron density across a Hall bar in high electric and magnetic fields of optical and transport measurements of electron densities in quantum wells **References - Springer Link** Chapter (973 KB). Chapter. High Magnetic Fields in Semiconductor Physics III. Volume 101 of the series Springer Series in Solid-State Sciences pp 519-527 Transport and Optics, Proceedings of the International Conference, Wurzburg, Fed. Part of the Springer Series in Solid-State Sciences book series (SSSOL, volume 87) Integral Quantum Hall Effect, Electronic States in High Magnetic Fields. **General Bibliography - Springer Link** High Magnetic Fields In Semiconductor Physics Iii: Quantum Hall Effect, Transport And Optics : Proceedings (springer Series In Solid-state Sciences) 1st Edition **References - Springer Link** Quantum Hall Effect, Transport and Optics Gottfried Landwehr At Landau and spin gaps the magnetic field regions of the energy shifts and intensity minima broaden as the temperature is Springer Series in Solid-State Sciences, Vol. **Many-body and correlation effects in semiconductors : Article : Nature** Chapter (442 KB). Chapter. High Magnetic Fields in Semiconductor Physics III. Volume 101 of the series Springer Series in Solid-State Sciences pp 84-88 **82 Springer Series in Solid-State Sciences - Springer Link** [3]. Santos M B, Suen Y W, Shayegan M, Li Y P, Engel L W and Tsui D C 1992 Phys. Fields in Semiconductor Physics (Springer Series in Solid State Science 71) ed G BREAKDOWN OF THE QUANTUM HALL EFFECTS IN HOLE SYSTEMS AT effects in 2D GaAs/(Ga,Al)As hole gases observed in very high magnetic **Spin Physics in Semiconductors Mikhail I. Dyakonov Springer** J.H. Van Vleck, The Theory of Electric and Magnetic Susceptibilities. Springer Series in Solid-State Sciences, Vol.1 (Springer, Berlin Heidelberg New York 1980) E.O. Kane: Semiconductos and Semimetals, Physics of IIIV Compounds,. Vol. . J.S. Smart: Effective Field Theories of Magnetism (Saunders, Philadelphia. **Theory of Electron Transport in Semiconductors - Fulvio Frisone** 101 High Magnetic Fields in Semiconductor. Physics III Quantum Hall Effect, Transport and Optics By G. Landwehr. 102 Conjugated Conducting Polymers. **High Magnetic Fields in Semiconductor Physics III - Springer** (ii) the effective g factor (g*) is enhanced in samples with high mobility, (iii) the at weak magnetic fields, high electron energy, and low temperatures, for certain Fields in Semiconductor Physics II (Springer Series in Solid-State Sciences Capacitive interaction model for Aharonov-Bohm effects of a quantum Hall antidot **High Magnetic Fields in Semiconductor Physics III - Springer** Springer Series in Solid-State Sciences Transport and Optics, Proceedings of the International Conference, Wurzburg, Fed. On the contrary, the application of high magnetic fields to semiconductors has grown substantially during the Universality and Scaling of Electronic Transport in the Integral Quantum Hall Effect. **publications of the von Klitzing department 1980 - Max Planck** G.8 N.N. Bogolyubov: Lectures on Quantum Statistics (Gordon and Breach, New York 1967) G.16 C. Kittel: Elementary Statistical Physics (Wiley, New York 1958) .. Springer Series in Solid-State Sciences . 85 The Quantum Hall Effects 87 High Magnetic Fields in Semiconductor. Physics II. Transport and Optics Editor: **Scaling and the Quantum Hall Effect - Springer** Experimental and theoretical research on the integer quantum Hall effect is reviewed, Poluprovod. 20 977. 3. Huckestein B 1995 Rev. Mod. Phys. 67 357. Crossref Wei H P et al 1987 High Magnetic Fields in Semiconductor Physics. Rep. of Germany, August 1822, 1986 Springer Series in Solid-State Sciences, No. **85 Springer Series in Solid-State Sciences - University of Manitoba** This book describes beautiful optical and transport phenomena related to the Springer Series in Solid-State Sciences Spin Physics in Semiconductors Recent results on quantum wells and quantum dots are reviewed. and researchers in the fields of semiconductor physics and nanoelectronics. Spin Hall Effect. **The low-temperature self-consistent g factor for heterostructures in** Download Chapter (1,017 KB). Chapter. High Magnetic Fields in Semiconductor Physics III. Volume 101 of the series Springer Series in Solid-State Sciences pp **Multifractal Eigenstates in the Centre of Disorder - Springer Link** Conf. on High Magnetic Fields in Semiconductor Physics. Conference, Wurzburg 1990, Springer Series in Solid-State Sciences 101, Springer, Berlin (1992). **Cyclotron resonance of high-mobility GaAs/AlGaAs (311) 2DHGs** Springer Series in Solid State Sciences, edited by M. Cardona, P. Fulde, ence and Technology, New Series Group III: Crystal and Solid State. Physics, editors Quantum Field Theory of Solids 2nd printing (North-Holland, Amsterdam,. 1983) . W. Schafer, M. Wegener, Semiconductor Optics and Transport Phenomena,. **Publications in Journals Klaus Ensslin 1987 1. K - ETH Zurich** May 31, 2001 Similarly, the magnetic field for which the cyclotron radius is equal to the the nonlinear optical response of semiconductors, in contrast to atoms, kinetics are two cornerstones of solid-state theory and are the basis for . Figure 3: FWM signals due to high-order correlation in GaAs. .. Springer Nature **Sergey V. Iordansky** Download Chapter (975 KB). Chapter. High Magnetic Fields in Semiconductor Physics III. Volume 101 of the series Springer Series in Solid-State Sciences pp **High Magnetic Fields in Semiconductor Physics II - Springer** 82 Springer Series in

Solid-State Sciences. Edited by Manue1 101 High Magnetic Fields in Semiconductor. Physics m Quantum Hall Effect, Transport and. Optics By G. III Low-Dimensional Electronic Systems. New Concepts . vibrations in molecules and solids is mostly performed by means of optical spectroscopy. **Yurii A. Bychkov** A. Bychkov, I.D. Vagner, Massive spin collective mode in quantum Hall in Theory of Physical Phenomena in High Magnetic Fields, NATO Science Series II: Math. in the quantum Hall effect regime, Solid State Communs., 94 (1), 61-65 (1995). In: Landwehr, G. (editor): High Magnetic Fields in Semiconductor Physics III: **Photoluminescence lineshape of narrow n-type modulation-doped** 3. M. A. Omar: Elementary Solid State Physics: Principles and Applications H. Haken: Quantum Field Theory of Solids (North Holland Pub!. Co. (Chapman & Hall, London . 4) A. C. Beer: Galvanomagnetic Effects in Semiconductors Springer Series in Solid State Sciences, ed. by M. Cardona, P. Fulde, H. J. Queisser **Emmanuel I. Rashba Magneto-Excitons in CdTe/(CdMn)Te Quantum Wells - Springer** High magnetic fields have, for a long time, been an important tool in the Springer Series in Solid-State Sciences Quantum Hall Effect, Transport and Optics. **Bibliography - Springer Link** Effects of the filling factor on the cyclotron resonance in gated AlGaAs-GaAs heterostructures High Magnetic Fields in Semiconductor Physics II, Springer Series in Solid State . Magneto-transport in InAs/AlSb quantum wells with large electron concentration Springer Series in Solid State Sciences 111, Berlin, 1992, p. **High Magnetic Fields in Semiconductor Physics II SpringerLink** In High Magnetic Fields in Semiconductor Physics, G. Landwehr, ed., Vol. 71 of Springer. Series in Solid State Sciences, Springer Verlag, Berlin, Heidelberg, 1987, page 57. The Fractional Quantum Hall Effect in Tilted Magnetic Fields. Phys. . Optical Spectroscopy of Two-Dimensional Electrons in GaAs-AlGaAs Single **High Magnetic Fields in Semiconductor Physics III: Quantum Hall - Google Books Result** Book. Springer Series in Solid-State Sciences. Volume 101 1992. High Magnetic Fields in Semiconductor Physics III. Quantum Hall Effect, Transport and Optics