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Physics of Low-Dimensional Structures -

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The International Symposium on the Physics of Low Dimensions took place in January 16-20, 2000. The group of scientists converging into the historical city of Oaxaca, in the state of the same name, had come from Argentina, Chile, Venezuela, several places in Mexico,

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Canada, U. S. A., England, France, Italy,  
Germany, Russia, and Switzerland.

Physics of Low Dimensional Systems I

J.L. Morán-López ...

Physics of Low-Dimensional Structures.

The set of journals have been ranked  
according to their SJR and divided into

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four equal groups, four quartiles. Q1 (green) comprises the quarter of the journals with the highest values, Q2 (yellow) the second highest values, Q3 (orange) the third highest values and Q4 (red) the lowest values.

Physics of Low-Dimensional Structures

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Introduction to low-dimensional systems.

Introduction; The GaAs/AlGaAs

heterostructure and two-dimensional

electron or hole system; Split gates and

one-dimensional electron gases;

References; Introduction. The two-

dimensional electron gas (2DEG) formed

in a GaAs-AlGaAs heterostructure is a

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very fruitful system for investigating quantum and interaction effects. Electrons are confined to a very narrow layer, becoming effectively two-dimensional.

Introduction to low-dimensional systems □

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Low-dimensional systems have

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Using simple physical explanations, with reference to examples from actual devices, this book introduces the general principles essential to low-dimensional semiconductors.

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In mathematics, low-dimensional topology is the branch of topology that studies manifolds, or more generally topological spaces, of four or fewer dimensions.

Representative topics are the structure theory of 3-manifolds and 4-manifolds, knot theory, and braid groups. This can be

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regarded as a part of geometric topology.

It may also be used to refer to the study of topological spaces of dimension 1, though this is more typically considered part of continuum theory.

Low-dimensional topology - Wikipedia  
Syllabus: Definition of low dimensional

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Solids, relevant length and energy scales  
for manifestation of quantum confinement.

Physical realisation of low dimensional  
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of simple models. These are used to account for the properties of three dimensional materials providing an elementary introduction to the physics of low dimensional materials.

Physics Of Low Dimensional Materials,  
The eBook by Frank J ...

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