

# Download Fundamental Algorithms For Permutation Groups

The algorithms are developed hand-in-hand with the theoretical and practical justification. All algorithms are clearly described, examples are given, exercises reinforce understanding, and detailed bibliographical remarks explain the history and context of the work. Much of the later material on homomorphisms, Sylow subgroups, and soluble permutation groups is new. Written by one of the pioneers in the field, This book encompasses an excellent and deep introduction to the fundamental algorithms necessary to deal with permutation groups. The algorithms are clear, concise and accurate. This is the first-ever book on computational group theory. It provides extensive and up-to-date coverage of the fundamental algorithms for permutation groups with reference to aspects of combinatorial group theory, soluble groups, and p-groups where appropriate. Otto-von-Guericke University Magdeburg Faculty of Computer Science Department for Simulation and Graphics Diploma Thesis Fundamental Permutation Group Algorithms for