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MBN Explorer Users' Guide

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Preface

The *MBN Explorer Users' Guide* describes how to install and to run MBN EXPLORER, the software package for advanced multiscale simulations of complex molecular structure and dynamics. This guide includes the description of the main features and the algorithms of the program, the manual how to use the program for specific tasks, the description of all the program commands and keywords, the specification of input information, parameters, files and formats, and instructions on how to handle the program on Windows, Linux/Unix and Macintosh platforms.

MesoBioNano (MBN) Explorer is a multi-purpose software package for advanced multiscale simulations of complex molecular structure and dynamics. It has many unique features and a wide range of applications in Physics, Chemistry, Biology, Materials Science, and Industry. A broad variety of algorithms and interatomic potentials implemented in the program allows simulations of structure and dynamics of a broad range of systems with the sizes from the atomic up to the mesoscopic scales.

MBN EXPLORER is being developed and distributed by MBN Research Center, www.mbnresearch.com, which organises hands-on tutorials for the software, user's workshops and conferences.

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Purchased license rights provide access to

- MBN Explorer software and its updates,
- MBN Explorer documentation package,
- MBN Explorer user's workshops.

Special packages including education, dedicated hands-on training and helpdesk are also available. Contact us or visit our website www.mbnresearch.com for more details.



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