version 9.1

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The code operates under MS Windows environment and provides a highly user-friendly interface. It can be freely downloaded from the following internet addresses: [http://www.nscl.msu.edu/lise](http://www.nscl.msu.edu/lise)
Transportation to Window 64

- The previous installer couldn’t run in 64-bit Windows OS
- Looking for a new installer
- Some unexpected computer pending and other stuffs then working with “open” version in 64-bit Windows
- Windows 7 requirement: do not work in the “program files” directory
- Debugging, Elimination of these problems sources; Optimization for fast, effective, and error-free performance
- Modifications of array initializations, creation of new classes, etc
- Optimization “Setup redraw request” process (interruption by time to redraw the “Set-up window”)
- Optimization of processes waiting an interruption from a key pressing
- Transportation of all user activity to the “My Documents” directory
The new installer requires to accept the User agreement to complete the LISE++ installation process.

**LISE++ user agreement, terms and conditions**

LISE++ is maintained by LISE++ group @ Michigan State University and is freely available and distributable with one restriction: Results that are made public in a report or a journal publication that are based on or include LISE++ calculations must include a reference to LISE++ as follows:


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How to Install, Run, or even Uninstall

Completing the LISE++ Setup Wizard

Setup has finished installing LISE++ 9.1 on your computer.

Click Finish to exit Setup.

☑ Launch LISE++
The installer requires **Administrator Privileges**!

LISE++ is still 32-bit program, therefore the installer will propose the “Program Files (x86)\ LISE” folder for installation.

**The user working directory is “My Documents\LISE”**

If this directory is absent for a current user, then LISE++ automatically creates it, and copies user files (see the next slide) from the LISE++ package (which can be modified by user) to the new directory.

If the “\user\My Documents\LISE” directory already exists, but it has been created by the previous LISE++ version (different first or second level 001.002.***), then the user will get message to copy LISE++ user files from the “Program Files” directory.

Also the user can manually upload “My Documents\LISE” files with last installation user files (menu “Help”).
Cross section files from the LISE++ package are not copied to the “My Documents” folder. If you need them it is possible to load them from the “\Program Files\LISE\Cross sections” directory.
LISE++ settings for Window Servers (2003, 2008)

- Control Panel -> System and Security -> System

- System Properties
  - Performance
    - Visual effects, processor scheduling, memory usage, and virtual memory
    - Settings...
  - User Profiles
    - Desktop settings related to your logon
    - Settings...
  - Startup and Recovery
    - System startup, system failure, and debugging information
    - Settings...
  - Environment Variables...

- Performance Options
  - Advanced -> Data Execution Prevention
  - Turn on DEP for essential Windows programs and services only
  - Turn on DEP for all programs and services except those I select:
    - LISE++.exe

ObjectWindows Exception
- Create fail for window LISE++, 0, TFrame
Acknowledgements

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Should be done soon: LISE++ in Wikipedia.