Periodic Table of the Elements in Landyne Suite

(Version 1a)

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1. Purpose

PTELS can be used as a Periodic able to check the element symbol and the Z number during the preparation of the new data for SVAT, SAED, PCED and others. It helps you to remember the names of elements. It provides the radii of the elements. It provides a tool to get the molecular mass.

Click on the selected element shows its name and radians driven from calculation and experiment.
Click Molecular Mass Calculator and then the elements and update the numbers to get the mass.

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3. Installation

Download landyne2.7z (or ptels.exe) from [http://www.unl.edu/ncmn-cfem/xzli/programs.htm](http://www.unl.edu/ncmn-cfem/xzli/programs.htm).
Decompress the landyne2.7z, a landyne (fold) is created, which includes
1. programs (subfold): all jar files, including ptels, and landyne.exe.
2. structures (subfold): you should save all structure data in this fold.
3. experiments (subfold): you should put the experimental electron diffraction patterns in this fold.
4. results (subfold): you should save all your results this fold and move/organize files in this fold.
5. documents: user manuals and specifications.

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4. Operation

Double click landyne.exe icon (or a shortcut of landyne.exe) to get the launcher. Single click the icon in the launcher to start each program. The launcher can be re-located and re-configured. Single click the exit to quit the launcher. If you get ptels.exe, just double click ptels.exe.

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5. Contact the author

Please contact the author (jlandyne@gmail.com or xzli@unl.edu). Suggestion and bug reports are welcome. Visit also [http://landyne.uueuo.com](http://landyne.uueuo.com)

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