



## Description of New Features and Bug Fixes at Version 3.01d

|    |         |                          | <b>Description</b>   |
|----|---------|--------------------------|--|
| 1  | Change  | Double File              | When loading a 'double' file the file name is applied to both slot 1 and slot 2. Otherwise save from slot 2 doesn't have the correct filename.   |
| 2  | New     | Graph Scales             | User can optionally have either common axes settings between slot 1 and slot 2 (default) or different graph axes settings.   |
| 3  | New     | Overlap                  | New option on the source of the overlap lift data. Can now be sourced from either slot 1 or slot 2.  |
| 4  | Change  | Text Results             | The string 'mechanism' has been added to the text results menus for Statics1 and statics 2 to correctly associate them with the 'mechanism' section and not the 'statics' section.   |
| 5  | New     | Radius of Curvature      | For the three radius of curvature values listed in the 'Report' the cam angle at which the peak occurs is now given.   |
| 6  | New     | Data Copy                | Options added to enable the user to copy 'sectional' data from one slot to the other.  |
| 7  | New     | Lobe Copy                | Option added to allow copying the lobe from one slot to the other.   |
| 8  | Change  | Default Folders          | The 'Temp' and 'Windows' folders have been moved to reflect the current post windows 7 trend in the location for these areas. They now use the 'Homedrive' 'Homepath' and 'application data\lesoft' environment variables. |
| 9  | Change  | Landis File Read         | This import has been modified to correctly handle variations in input angle increment and the user required imported angle increment.  |
| 10 | New     | Mechanism Translate      | Two new mechanism translate options to move the mechanism either locally in x+y or Globally in x+y.  |
| 11 | Bug Fix | Spring Graphics          | Some changes have been made to the mechanism enhanced spring graphics routine to ensure correctly drawn.   |
| 12 | Bug Fix | Large Data Array editing | Previously there were some issues when editing large sets of data lines. These issues have been resolved at this release.  |
| 13 | Bug Fix | Forces Drawing           | Previously swapping between slot 1 and slot 2 mechanism with forces on could lead to spurious display. This is resolved at this release.   |
| 14 | New     | Simulation Lift Export   | A new valve profile lift export option has been added. The 'Simulation format' provides a basic valve lift against crank angle, with first point as zero degrees.  |
| 15 | Bug Fix | Offset Tappet            | The option of an offset tappet axis for the pushrod mechanism was not fully implemented. The issues have been resolved at this release. It is currently not possible to have both tappet axis                              |



angle and tappet axis offset.