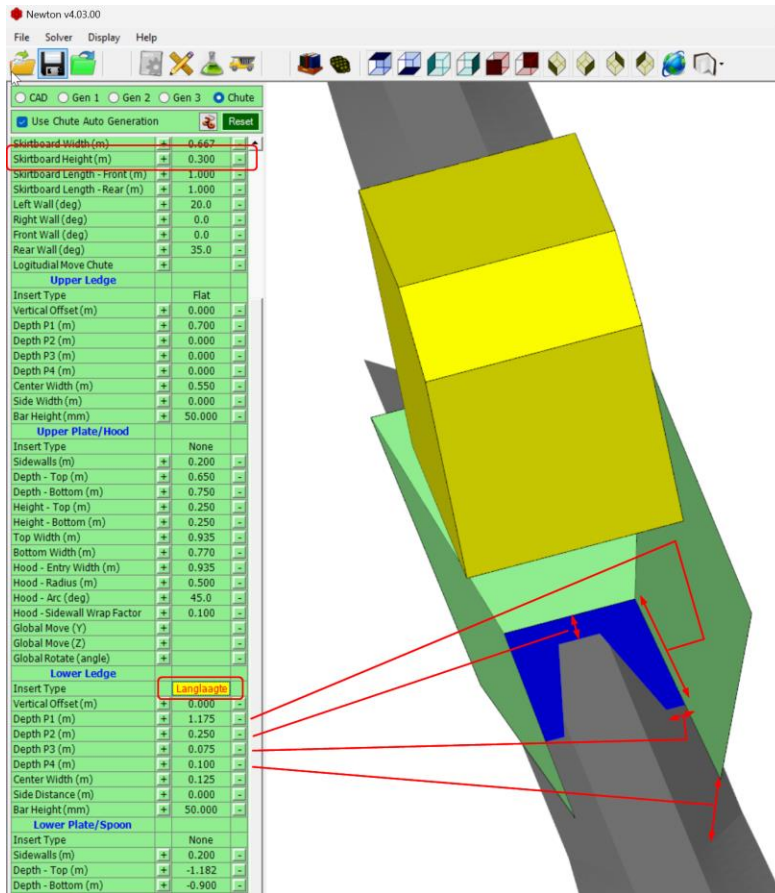


# Newton v4.04 - New Features & Updates

## v4.04 - Langlaagte Feeder Layouts

Added a preliminary option for Langlaagte Chutes designs in the Auto Chute generation. The input dimensions are shown below and are valid when the “Lower Ledge” option has the Langlaagte selection. The rear height is still set with the Skirtboard height input (Lower chute section) with the exiting height being set using the P4 dimension. Also, the skirtboard width and lengths are still used. However, the actual lower skirtboards are not included (nor should they be for this option).



As always if you have suggestions for new parametric layouts, or any improvements/additions for the existing models, please just let us know.

## v4.03 - Parametric Chute Model

Several new improvements including a new chute parametric model.

### **v3.10 – User Interface Updates**

Several Ui corrections.

### **v3.09 – User Interface Updates**

Several Ui corrections.

### **v3.06 – General**

A few minor user interface updates.

### **v3.05 – Newton Viewer**

The Newton viewer has been updated and can be freely distributed to users/clients from the link below.

[http://www.actek.com/Newton/Newton\\_View\\_Installation.zip](http://www.actek.com/Newton/Newton_View_Installation.zip)

### **v3.03**

Added an input file for material angle of repose testing. Professional users have always been able to make up this case, however Newton Chute users have not (due to the restriction of moving/rotating surfaces). However, this test file allows Newton Chute users to run these tests for determining their own material properties.

### **v3.02**

This is a long and overdue release of Newton. It updates the entire framework to the latest Microsoft development platform as well as the latest user interface grids and other features. For users familiar with our Sidewinder software, Newton is now at the same core development level.

This overdue upgrade will allow us to quickly and efficiently add many new features which users have asked for. There are many such items now in the works.

Additionally, these updates have greatly improved memory management, and provided some small speed improvements (simply due to the improved windows compiler functions).

We are also working on a full 64-bit Newton application which we hope to release soon (Q3 2020). Also, we are looking into potentially adding GPU computation support for user who would like to use that, although performance testing will dictate this verse the existing code.

Due to these updates your current version of Newton (most likely 2.62) will need to be uninstalled, and the new version 3.02 installation reinstalled.