

# Numpty Physics 0.2 Documentation

## Play

### Keys:

stylus	draw a new stroke
space or enter (d-pad centre)	pause/unpause physics
esc (back arrow)	undo last stroke
q	quit
r or up	reset level to initial state
n or right	skip to next level
p or left	go to previous level
e or fullscreen	edit mode

### Hints:

Each stroke is like a rigid piece of wire with a mass proportional to its length. A closed stroke is just a wire bent into a shape, it has no substance apart from its perimeter.

The ends of a strokes can (and will) join onto other strokes when drawn near enough to another stroke. These joints are pivots so you can use this to build levers, pendulums and other mechanical wonders.

Jointed strokes don't collide with each other. Join both ends to make a rigid structure

Known bugs: goal item does not respawn if lost.

## Editing

### Keys: (as per play mode plus the following)

e or fullscreen	leave edit mode
s or menu	save to MyN810/Games/NumptyPhysics/L99_saved.nph
zoom-minus + stylus	delete stroke at point
zoom-plus + stylus	drag stroke at point

### Hints:

It's handy to pause the physics when making a new level though this is by no means necessary. Sometimes it is handy to let the physics run for a little bit just to let the items settle down.

From the editor palette you can choose the crayon colour and then additional properties such as:

- ground (earth arrow) - stroke is fixed in place.
- sleeping (Zzz) - stroke is not subject to physics until bumped by something else.
- decorator (dashed D) - stroke is not part of the physical world. eg: tutorial text.

You should make sure that your level has at least one red item (player token) and at least one yellow item (goal item).

Token strokes will only join to other token strokes. Goal strokes will only join to goal strokes. Other strokes will happily join to any non-token non-goal strokes.

If this is your first time, you may need to restart the game for your saved L99 to show up.

If you wish to be clever, edit the level file directly - it's just a simple text format.

Editor bugs: There is not yet any provision to name your level but you can just rename the file to anything.