

Sample Stalagmite: A Quick Guide to the Model

Please study this page carefully. It contains important information for your success in using the model.

The screenshot shows the NetLogo interface for the 'Sample Stalagmite' model. The interface includes a control panel on the left with various sliders and buttons, a central display area showing a 'tower' of colored squares, and a command center at the bottom. Callout boxes provide detailed instructions for using the model's features.

**1 gives 1-blocks in 2 columns
2 gives 4 blocks in 5 columns
3 gives 9-blocks in 10 columns. Etc.**

The chance for each little square to be green.

If 'On,' it keeps stacking the repeat samples

If 'On,' it will stop only when all the different combinations are discovered

If 'On,' it shows an enlargement of the sample

If 'On,' it makes a graph over here. This is a graph of the number of different combinations that are found over time.

Prepare the run

Run the model

Speed control

Running totals of how many little green and blue squares are now on the screen

Updates the quotient between the combinations that were found and all the possible combinations

Combinations tower of the samples.

Default values:
Screen Edge = 3
100, Patch Size = 3, Fill Side > 2, Patch Size = 1

probability 50 %
setup Go

On Off keep-repeats?
On Off stop-at-all-found?

On Off magnify?
On Off plot?

#blues 600 #greens 624
total samples taken 136 combinations found 118/512=0.23

filling-up-sample-space

covered combinatio
0 trials 512

Command Center Clear
0 >

The model always stops when it hits the top of the column, even if it was trying to find more combinations.

A 'run' begins when you press Go and ends when the Go button pops back up.

You can run many different experiments with this model. Also you can change the code to run your own experiments.