

## Algorithmic Doodle Art 14: Leafy Branch

Landscapes in films are often computer generated. Ever wondered how they do it? Next time you find yourself doodling, draw an algorithmic doodle and explore algorithms for drawing nature including fantasy landscapes. Here is an example Doodle Algorithm.



### To Draw a Leafy Branch:

1. Draw a wavy green line with three leaves at the end as shown.
2. DoodleDraw from that line as follows.

### To DoodleDraw from a chosen line:

1. Draw a new wavy line coming from it with 3 leaves at the end.
2. Choose a new line and **DoodleDraw** from that line.

Different algorithms give different looking trees, grasses, ferns, snowflakes, crystals, ... Invent your own doodle draw algorithms and see how realistic the drawings you end up with are.