

Parametric Christmas Tree

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Design a laser cut Christmas Tree with your own body. The Kinect sensor reads the position of your head, hands and feet in realtime and grasshopper translates the data into a beautiful tree. Use a lasercutter or CNC milling machine to cut out your tree in any size.

Made with Grasshopper + Firefly, Rhino and Kinect.

Use the sliders in the grasshopper definition to adjust the Scale (size of the final tree), material thickness and so on. Select the two most right “components” in the definition and press “insert” on the keyboard to bake. Make sure that your Rhino viewport is sufficiently zoomed out so that you can see the tree in realtime.

For specific instructions on using the Kinect with Grasshopper3D see www.fireflyexperiments.com

