



FERDINAND FACKLAM
PARAMETRIC DESIGN

Manual

Chimney

Detached house

Random triangles

Parametric Design

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Introduction

Variants of a fireplace in a detached house were developed for architects Baier Bischofberger.

To start with, random points were drawn on horizontal lines so as to then connect them to each other in attached triangles. With the Random command it was possible to generate irregularity. Then the surfaces were connected to form a volume.

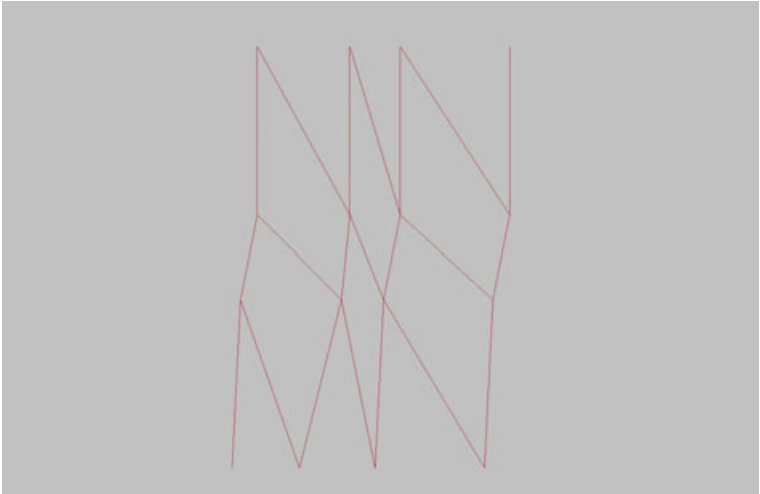
Variations in thickness and height could be produced with parameters. Using these methods it was possible to change the architecture or complex figures.

These models served as negative forms for the final project.

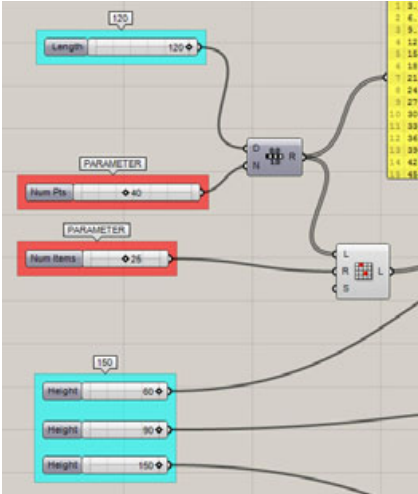
Special thanks to Renzo Lazzarini and Christoph Degendorfer.

Chimney

1

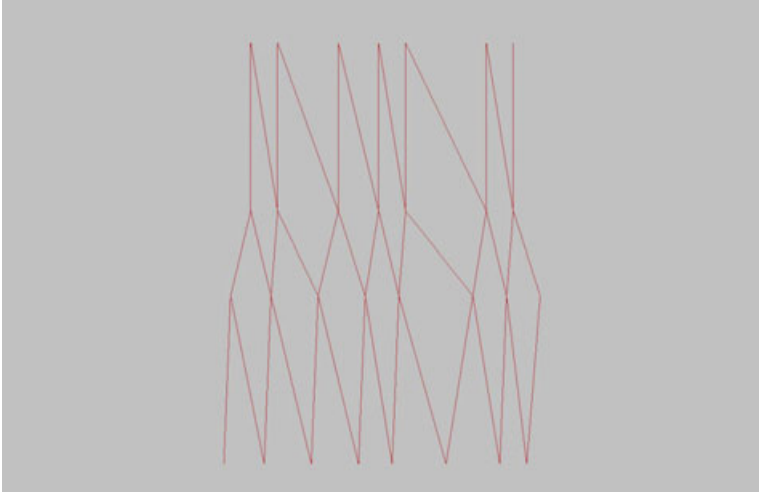


Connecting the lines together



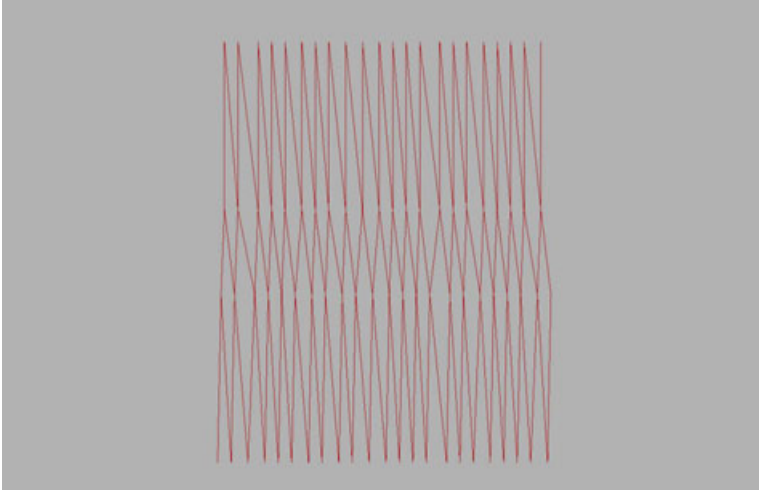
Choose parameter

2



Connecting more lines together

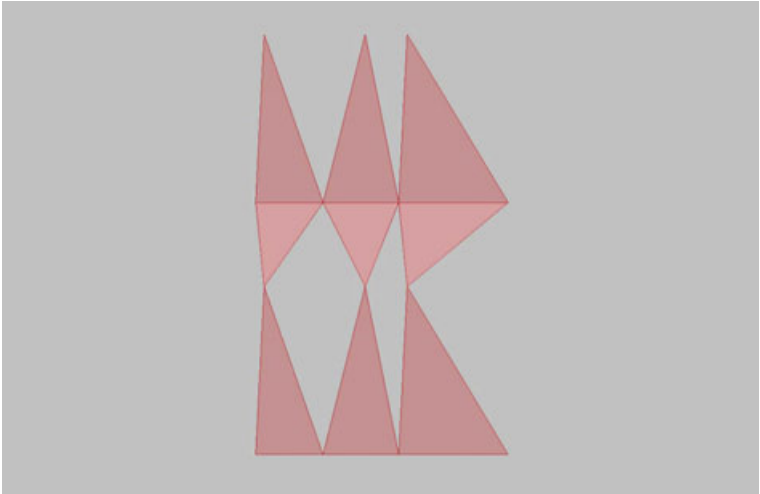
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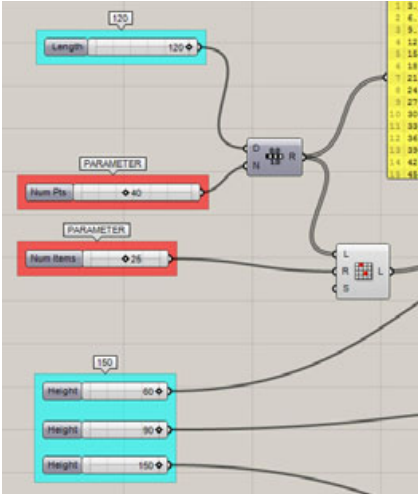
Connecting more lines together

Chimney

4

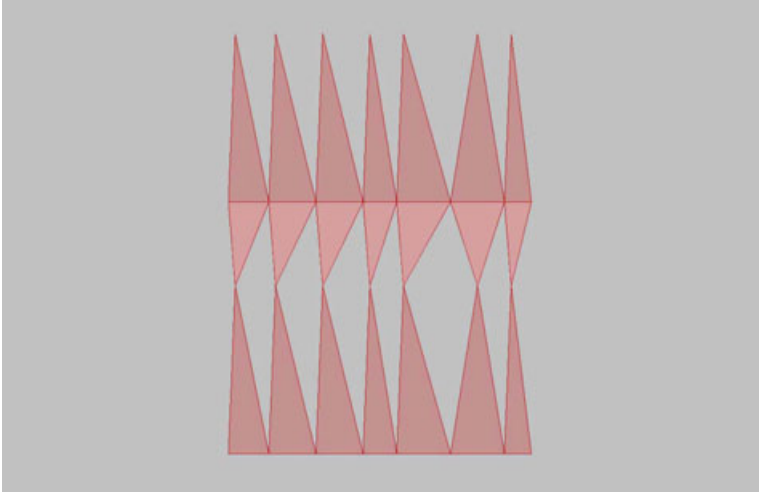


Adding triangles to surfaces



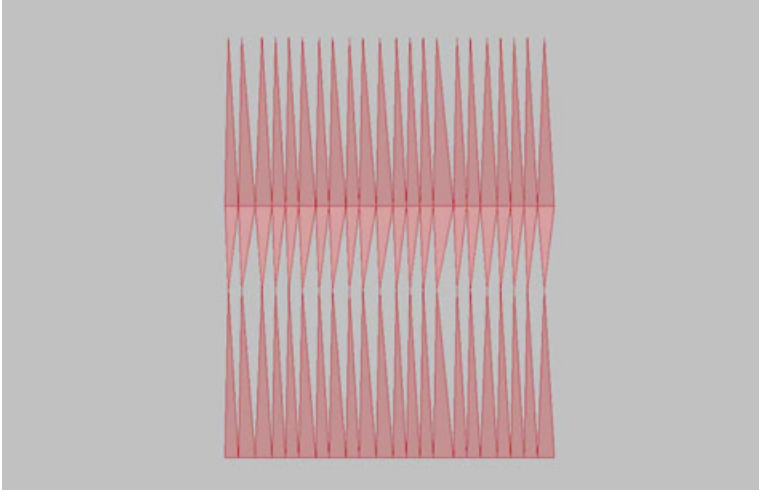
Choose parameter

5



Adding triangles to surfaces

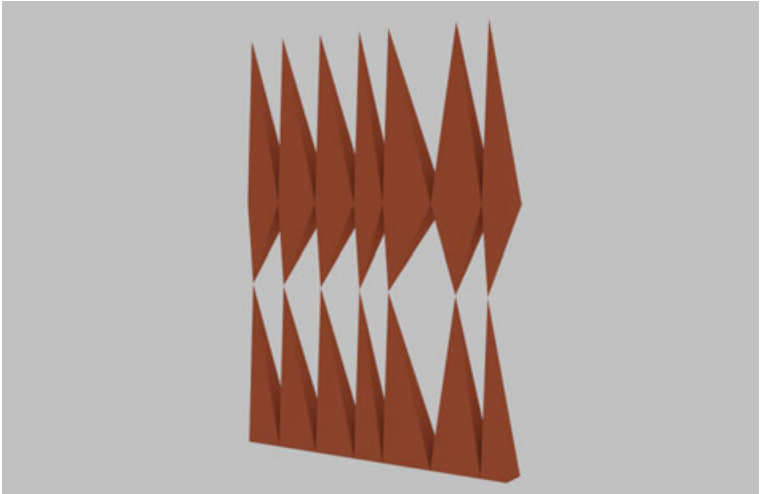
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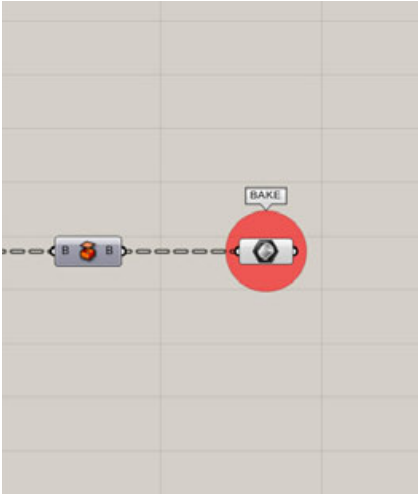
Adding triangles to surfaces

Chimney

7

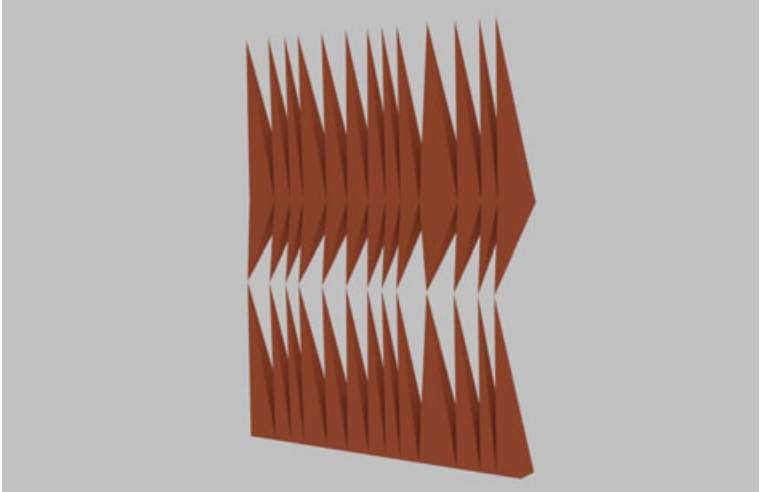


Connecting to solid



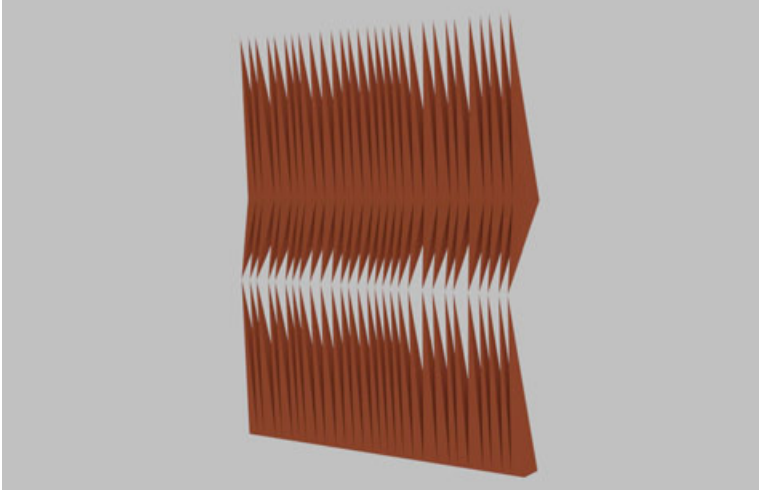
Connecting all definitions

8



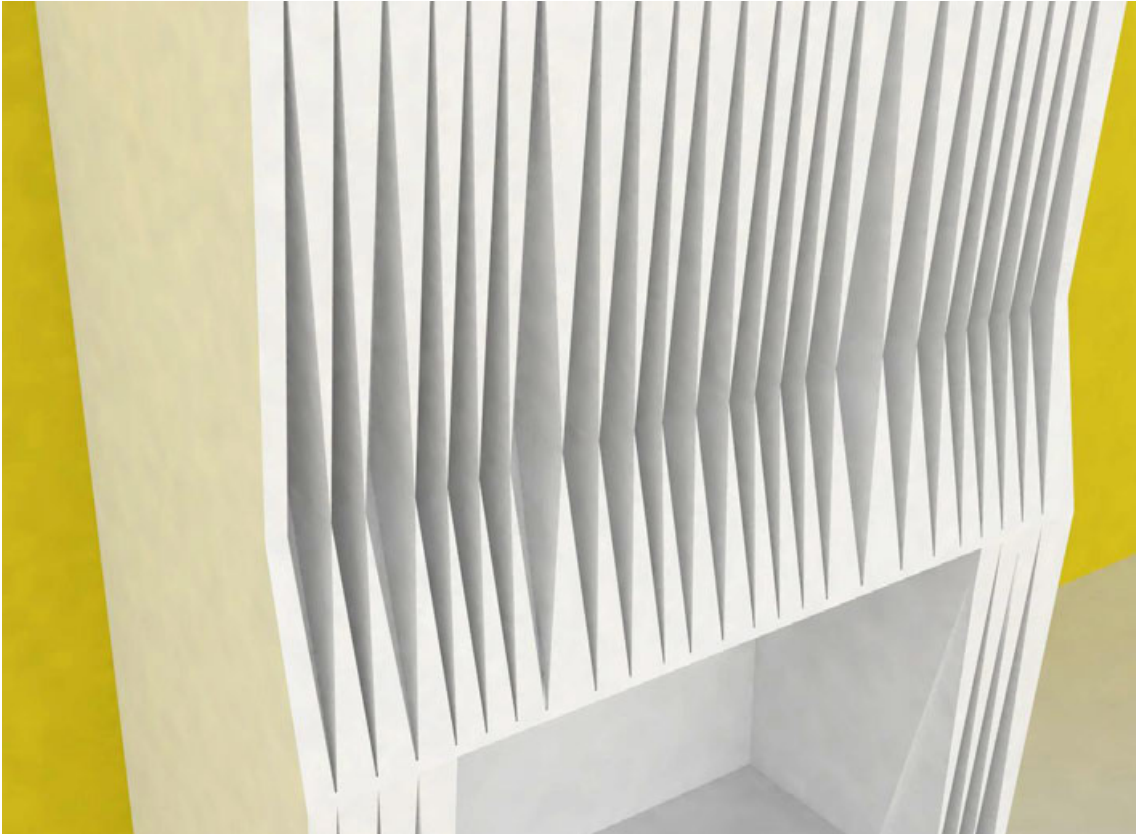
Variants of moulds

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Variants of moulds

Chimney



Chimney



Chimney

