

LuBan

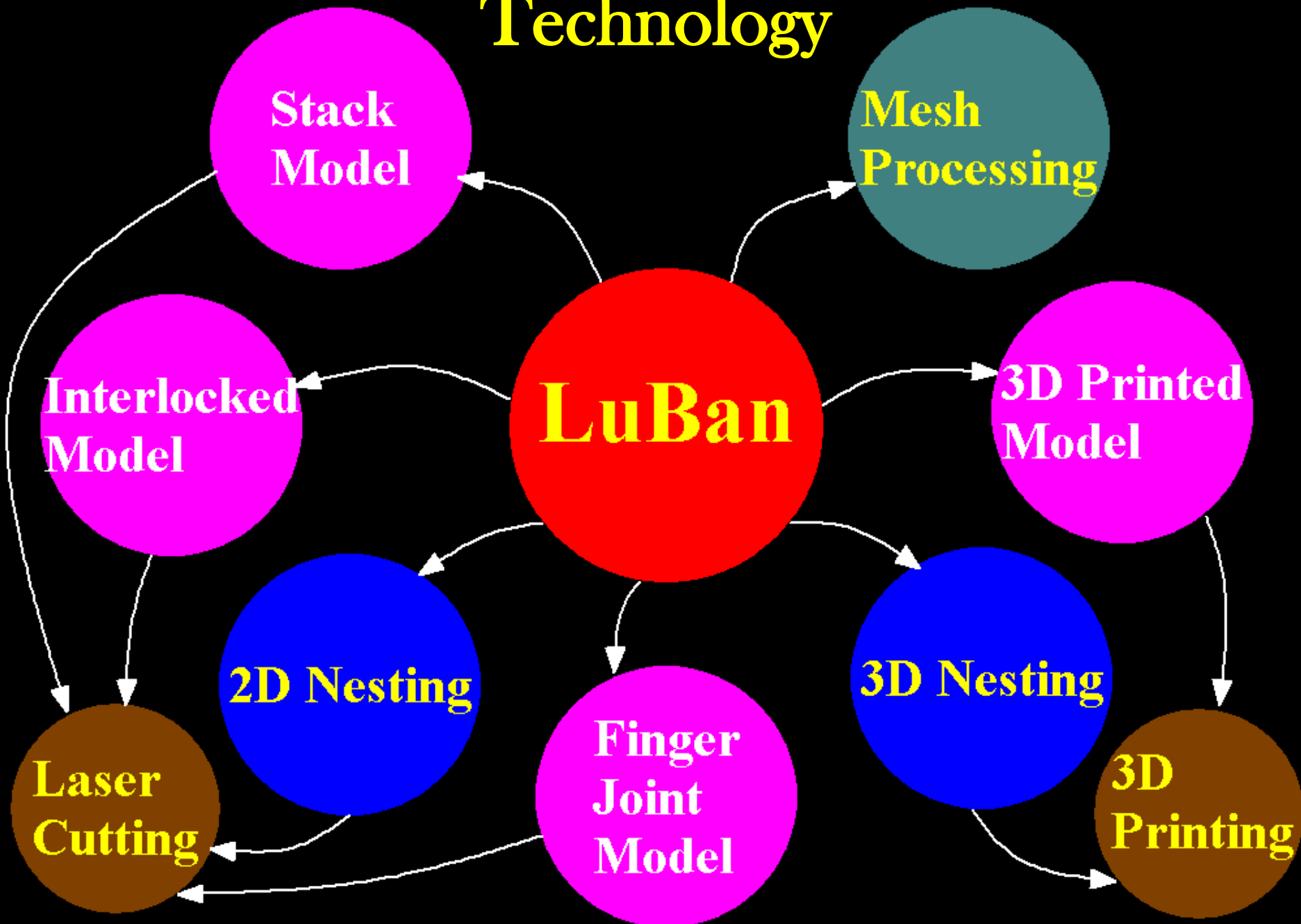
Introduction

Préambule

LuBan est un logiciel de CAO / FAO génératif de nouvelle génération découvert au Massachusetts Institute of Technology (MIT) et développé à l'Université de technologie et de design de Singapour (SUTD) pour aider les concepteurs et les fabricants à améliorer la production physique de leurs créations.



Technology



Application

CAD/CAM
Metal Cutting
(Ship building
& repair)

New Design Tool:
Generative Design

Advanced Manufacturing

Model making
(Architecture,
Education)

Mold making,
Formwork
(Construction)

Large-Scale
3D Printing
(Art, Museum)

Avantages

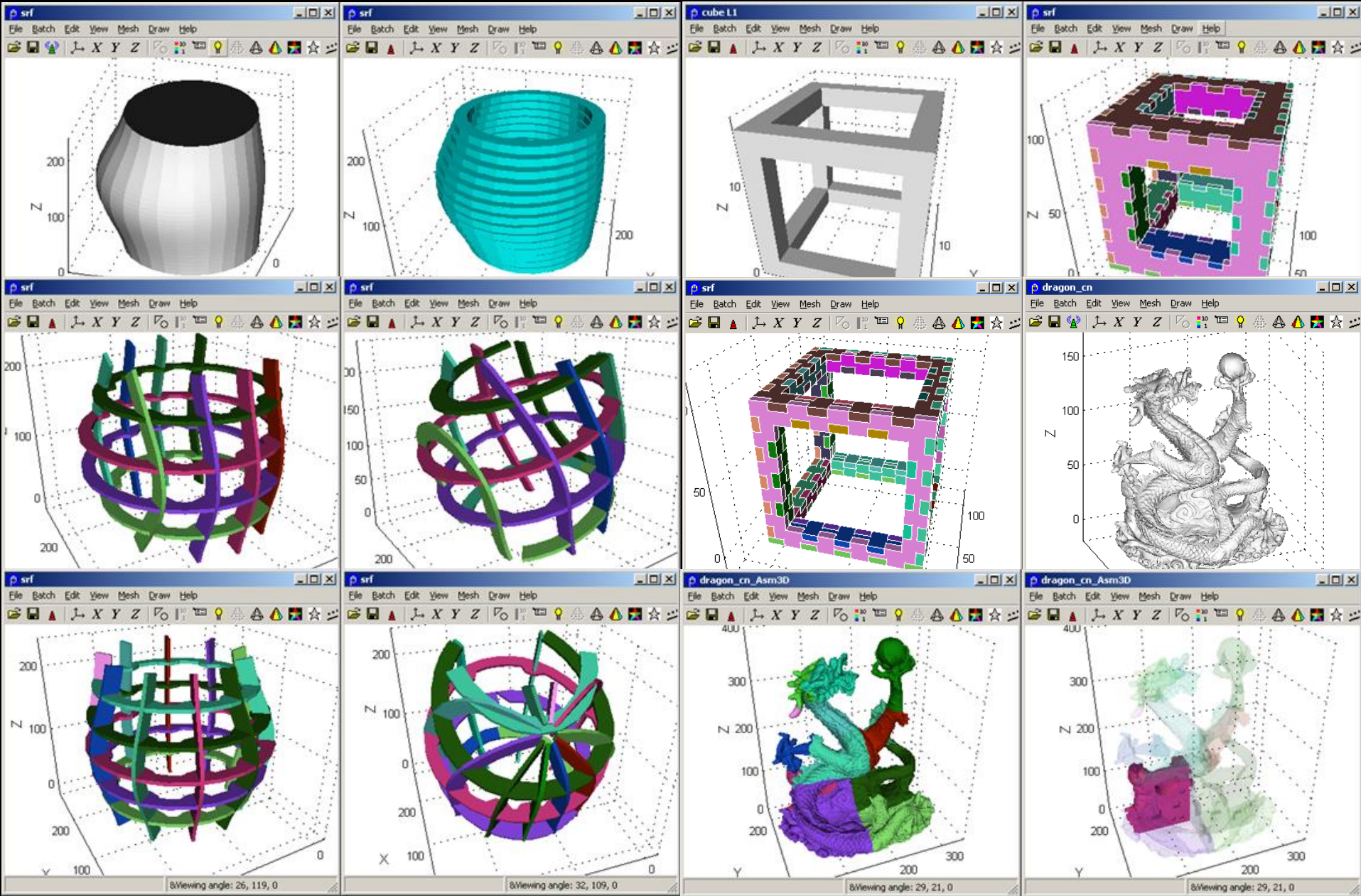
Génération automatique de modèles

Prototypage rapide à grande échelle

Interface conviviale

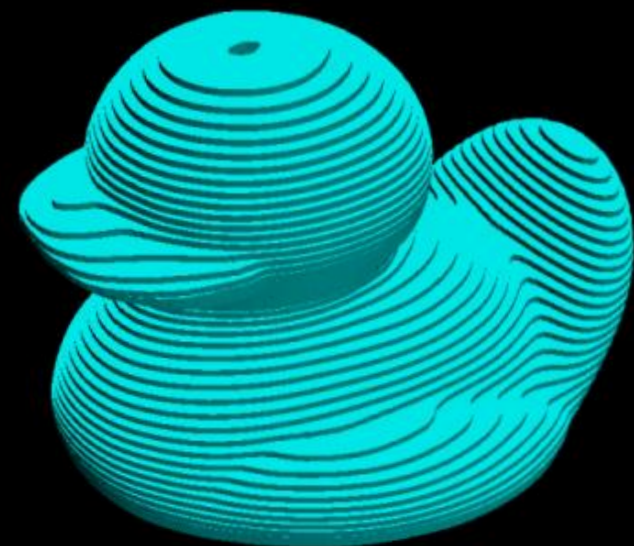
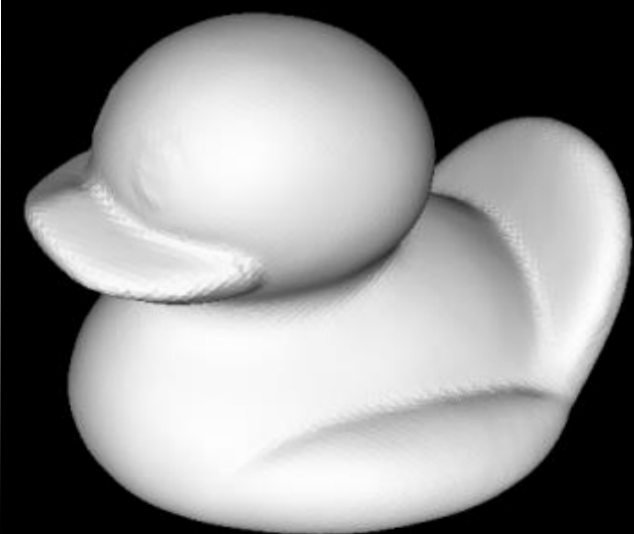
Prise en charge de la bibliothèque SDK C ++

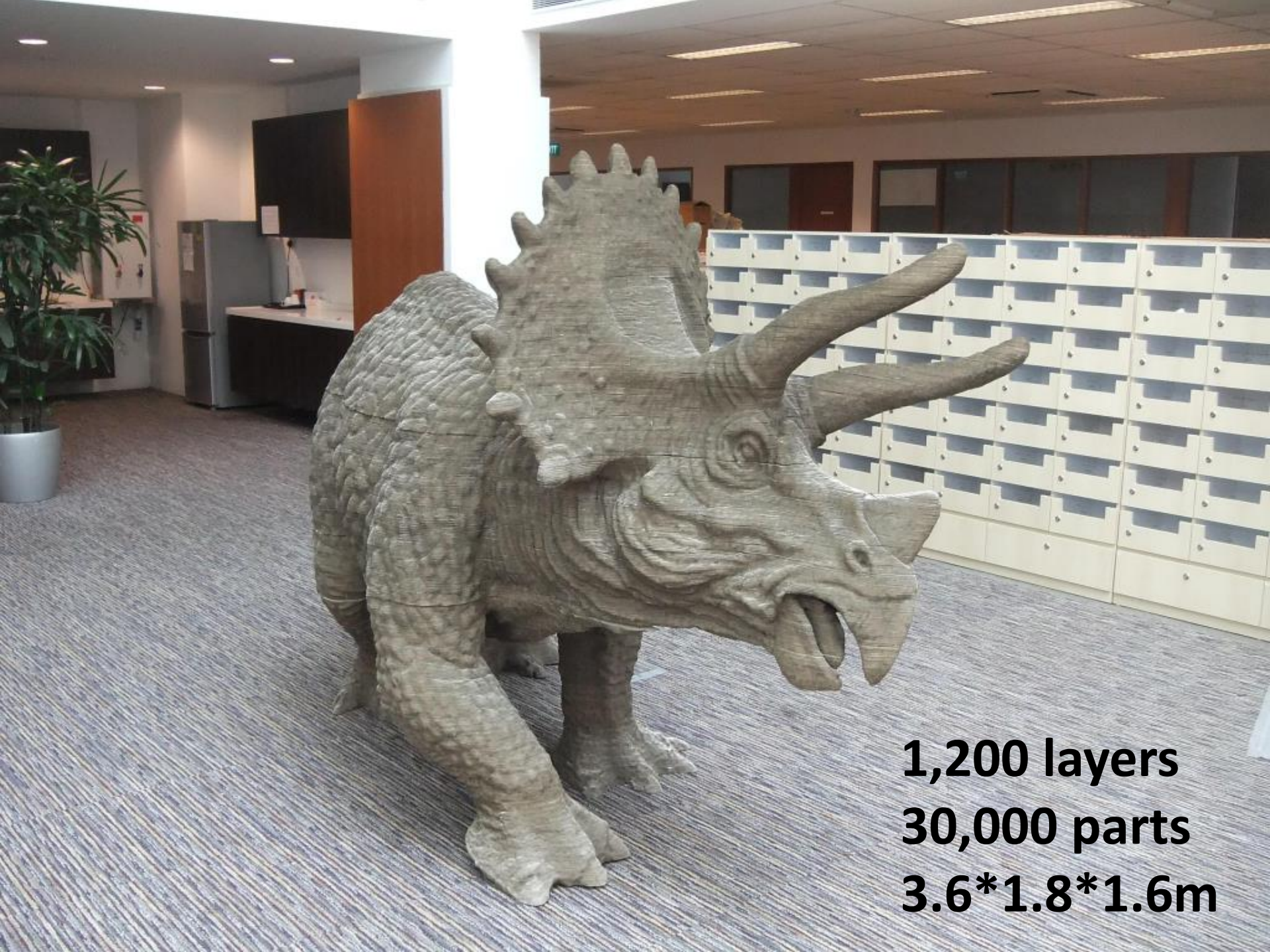
Sommaire



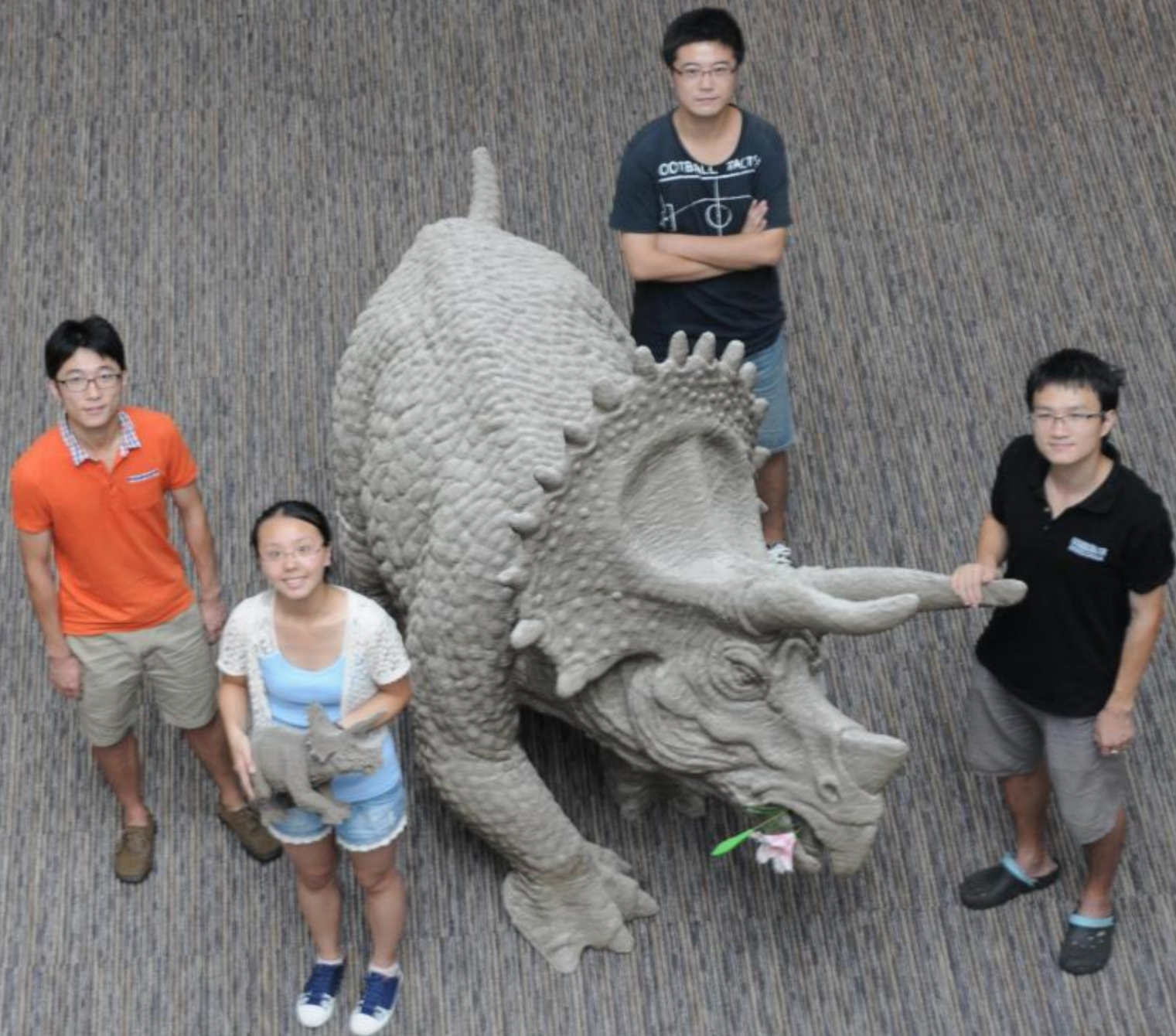
Étude de cas

Modèle Stack





1,200 layers
30,000 parts
3.6*1.8*1.6m



Étude de cas

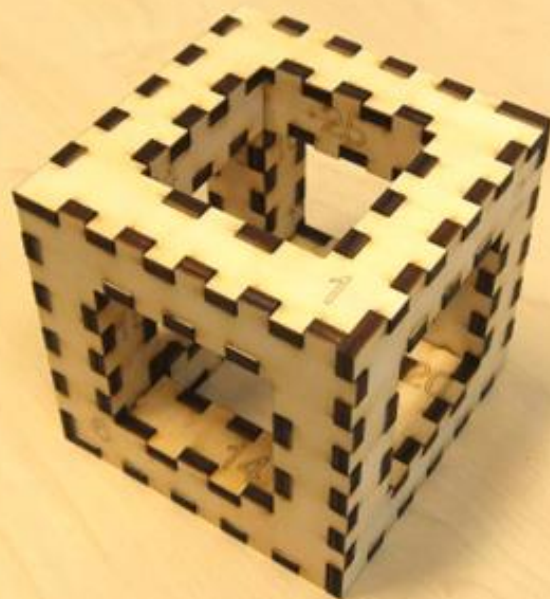
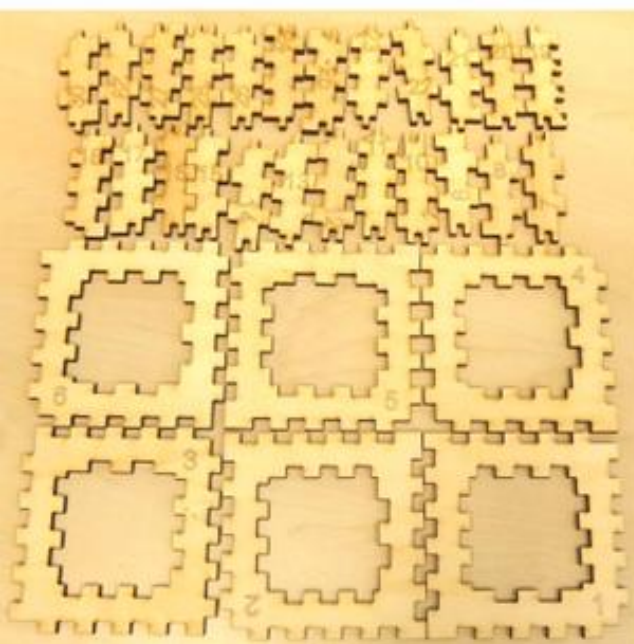
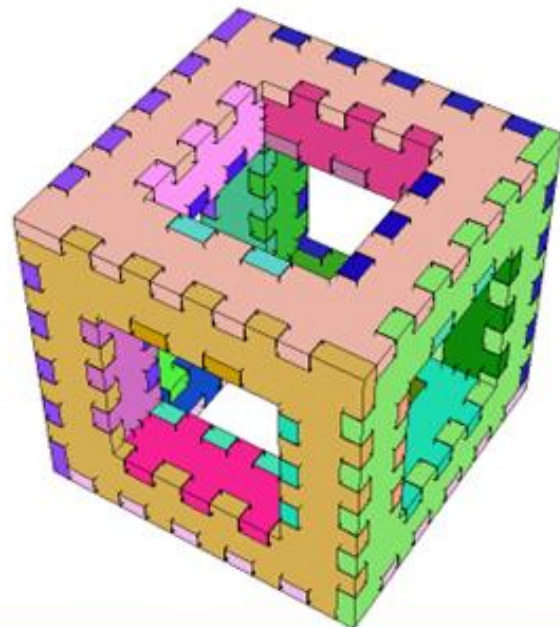
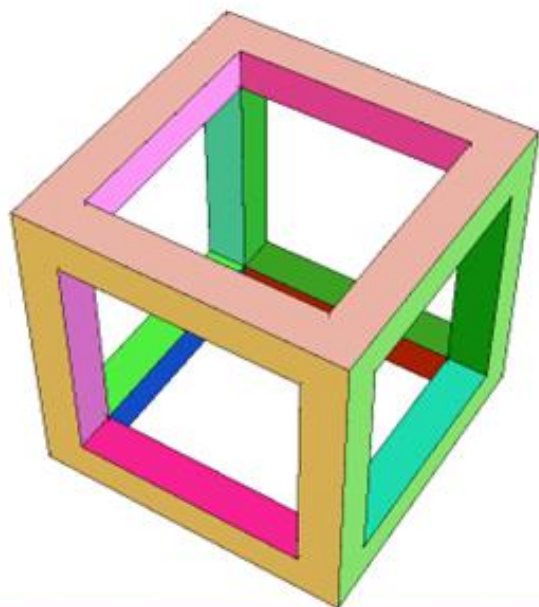
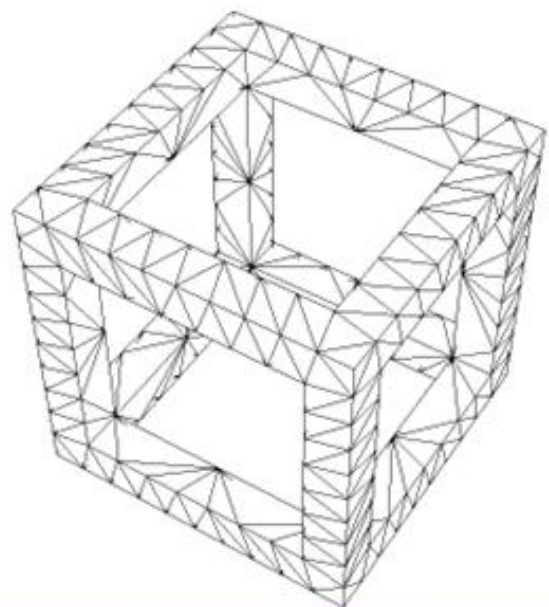
Modèle Interlocked

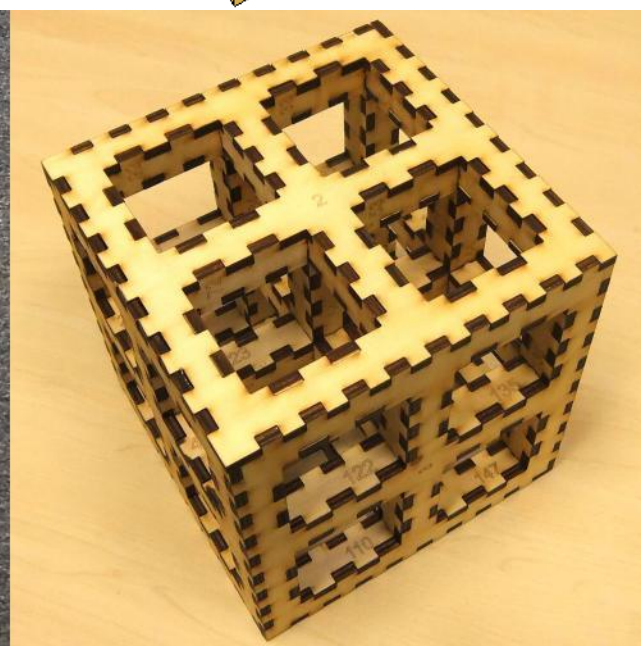
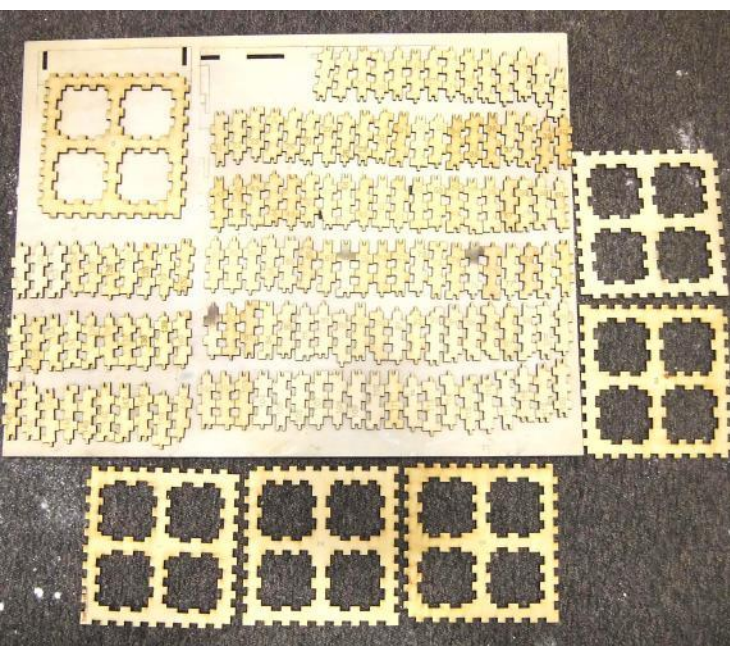
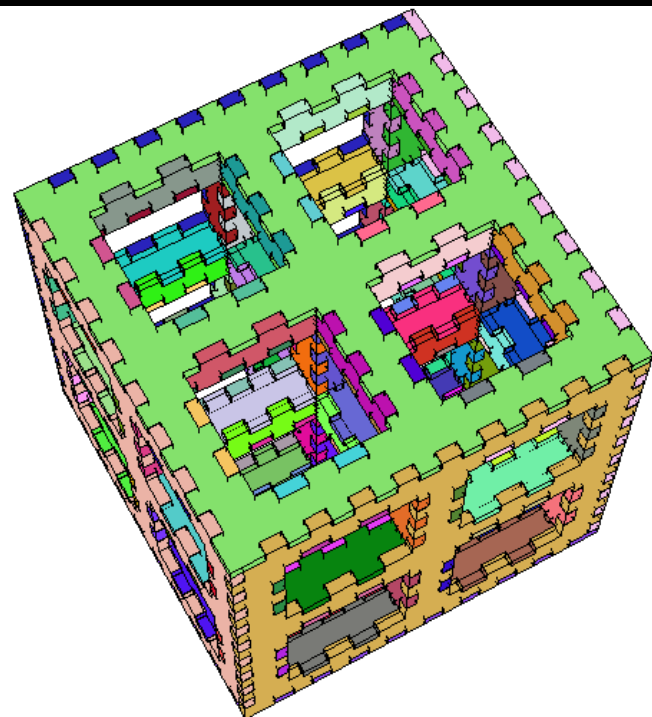
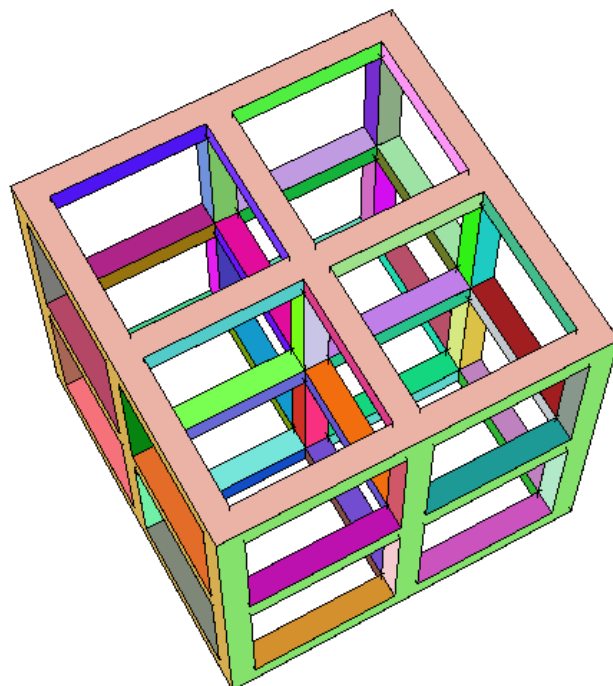
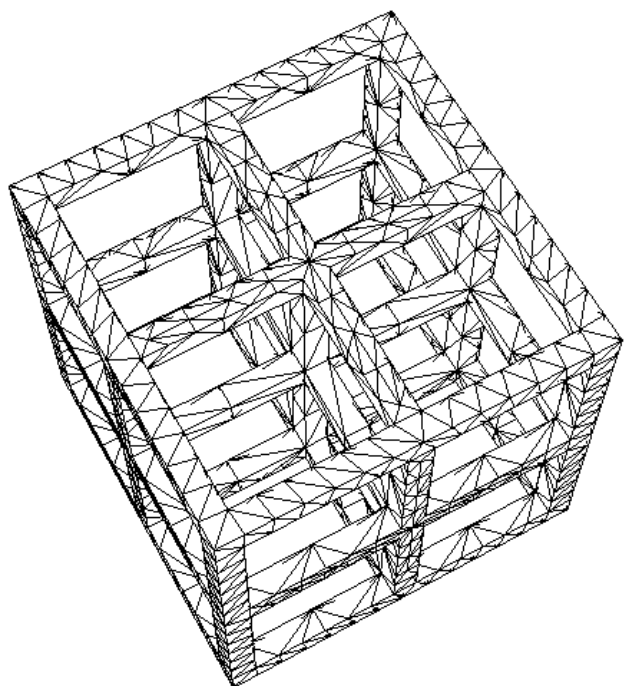




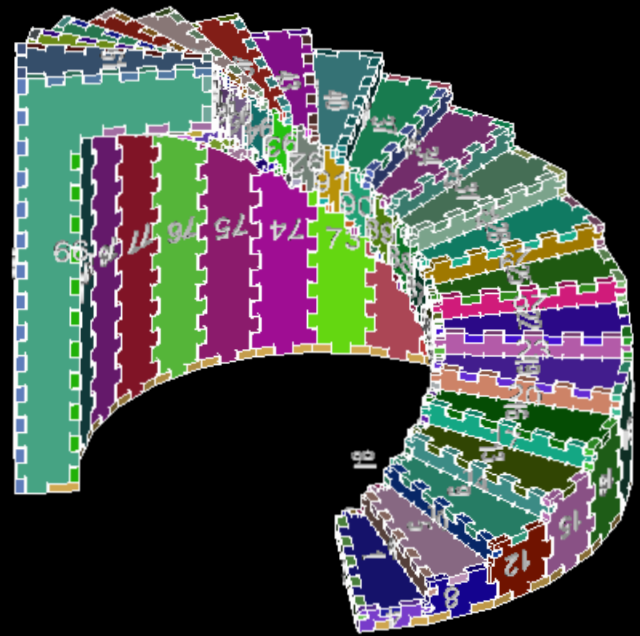
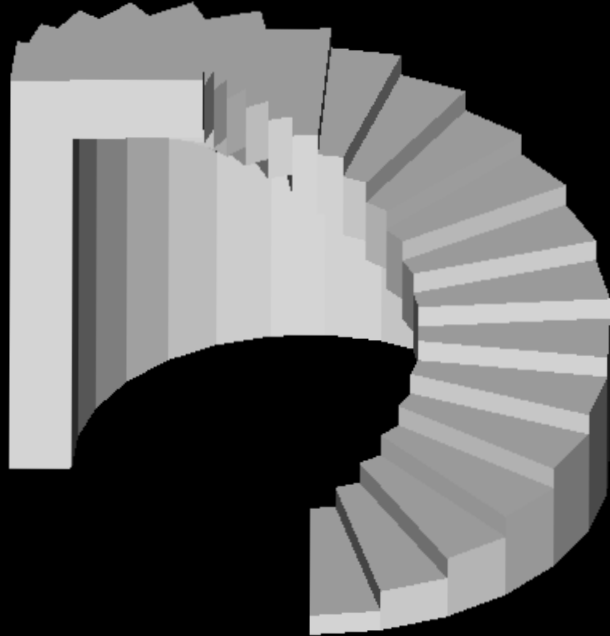
Étude de cas

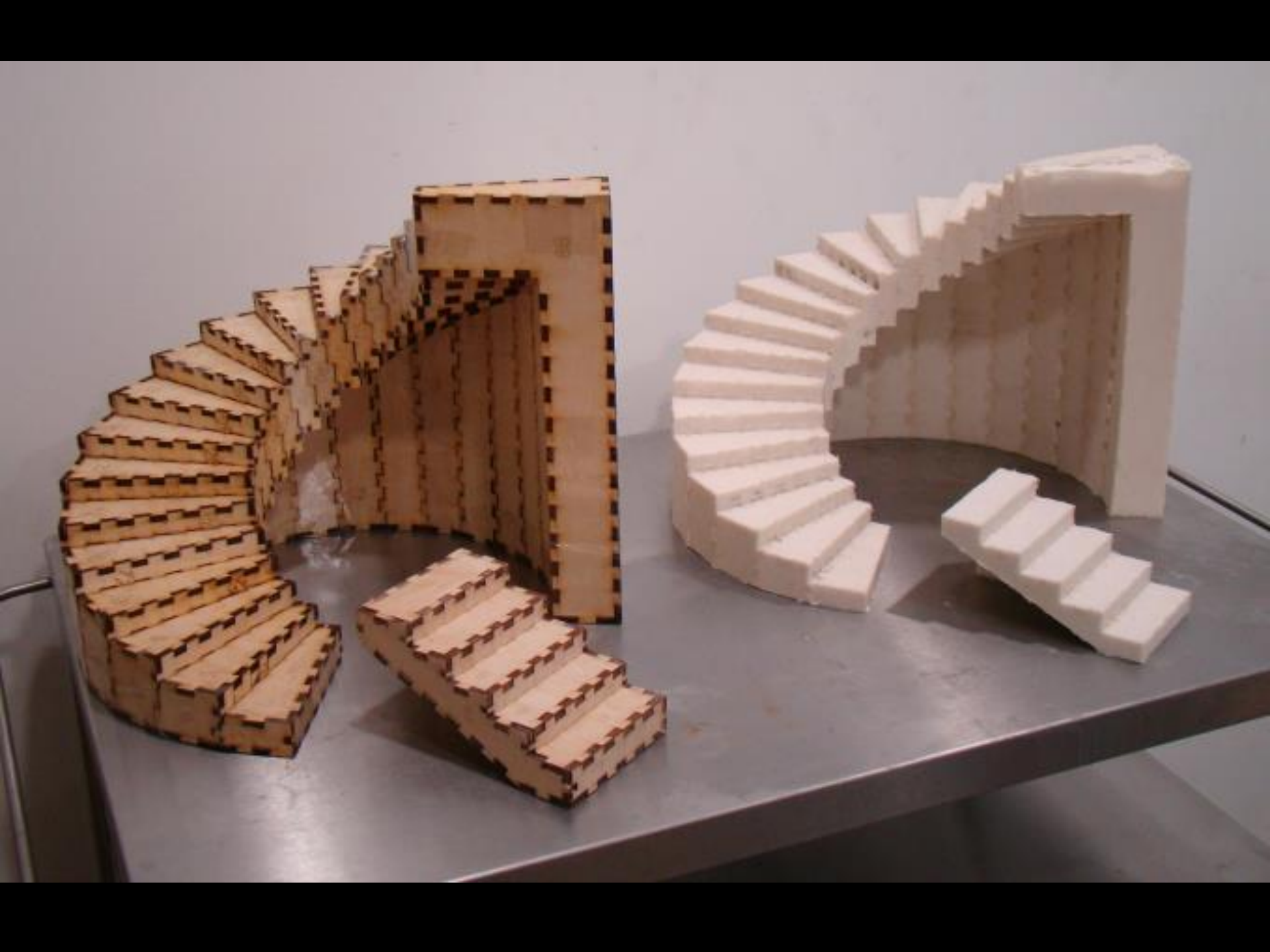
Modèle Finger Joint





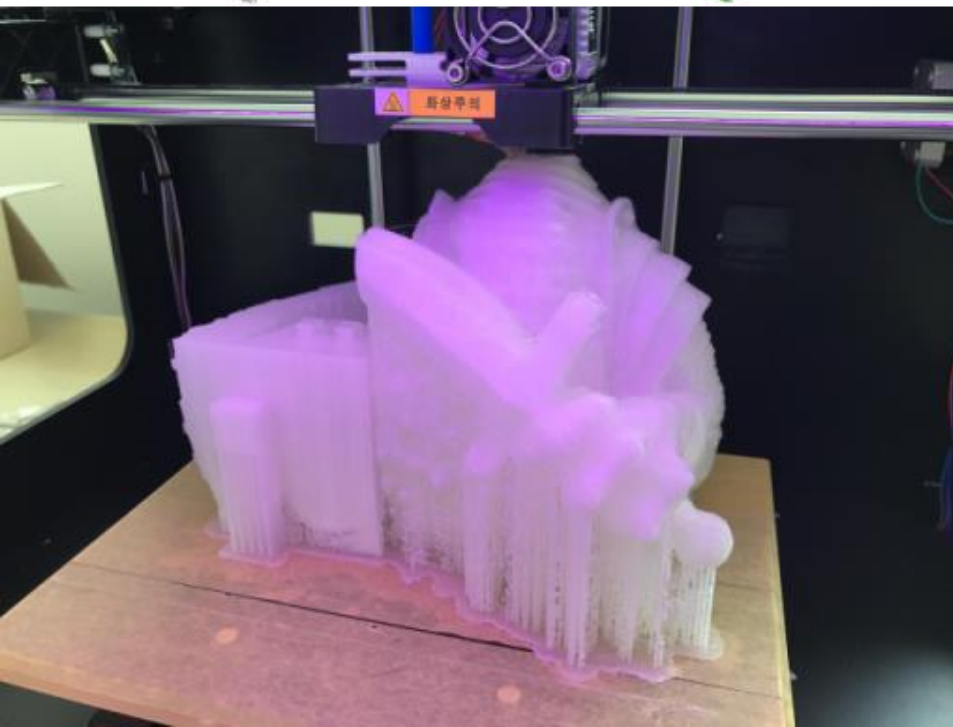






Étude de cas

Modèle 3D Printed



0.5m tall



1.0m tall



129 parts

