

Mixing RIBs for Pompeii



Stupid RAT Trick

Pixar User Meeting
SigGraph 2006
Boston

Simon Haegler
ETH Zurich

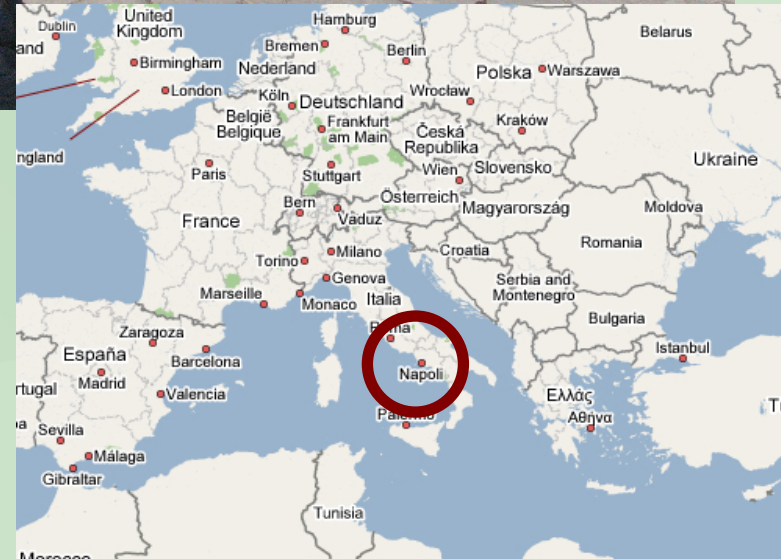
Goal

- Animated reconstruction of Pompeii
- Grow buildings by adding detail



Pompeii

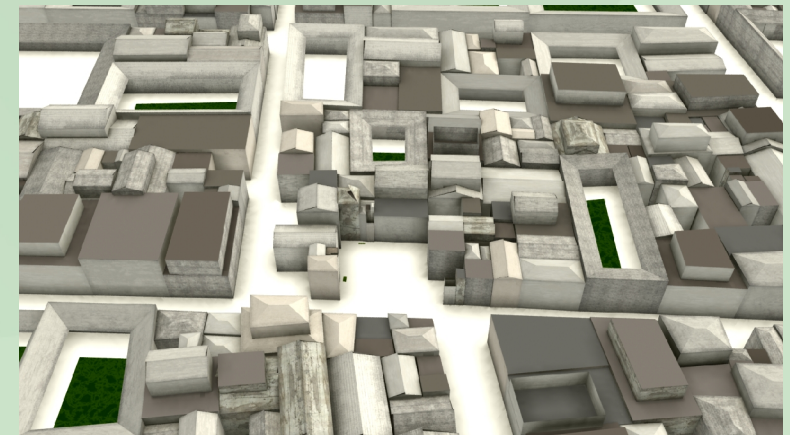
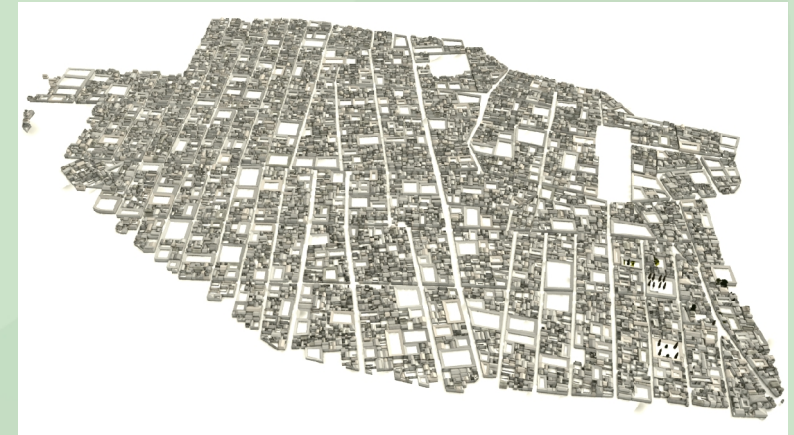
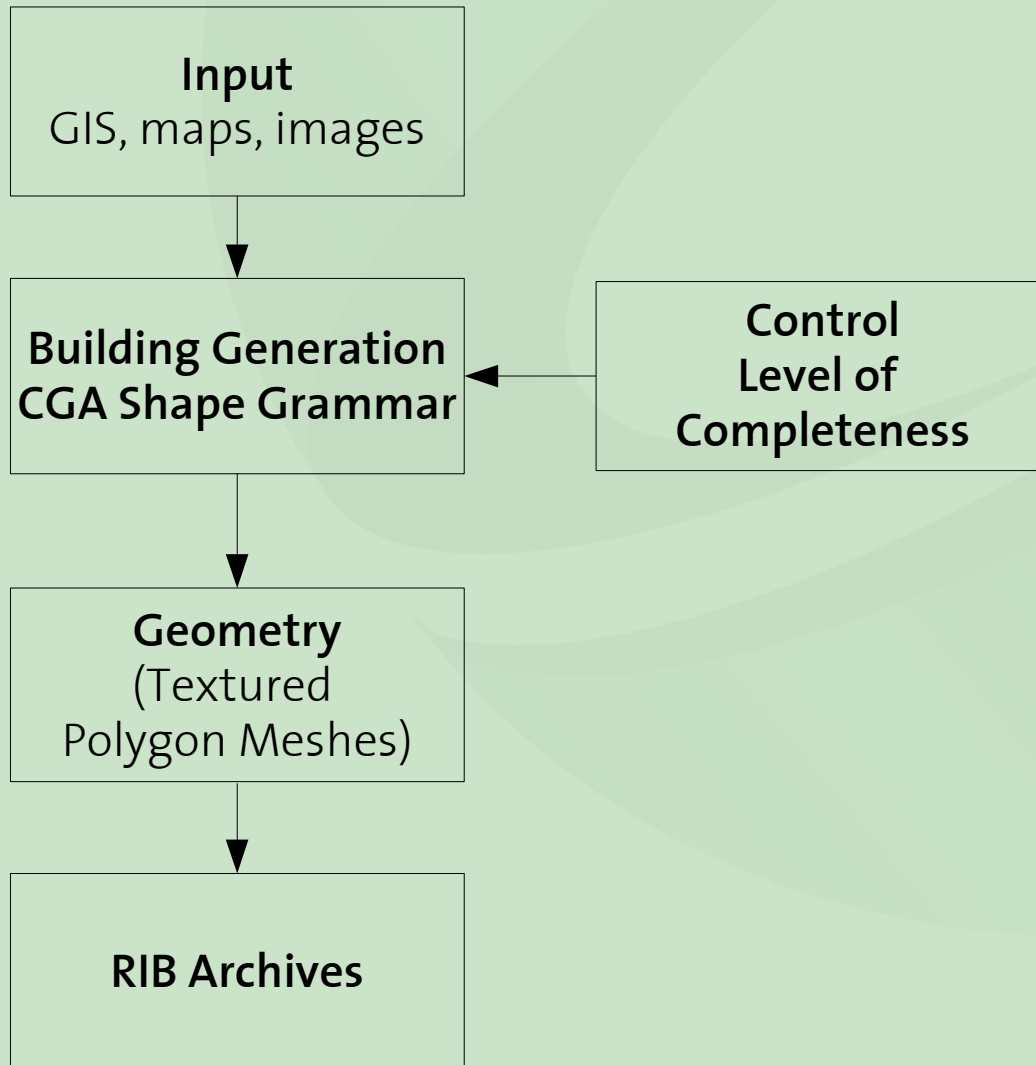
- Ancient Roman city
- Located near Naples, South Italy
- Founded 6th century BC
- Destroyed by volcano Vesuvius in 79 AD
- ~ 8500 buildings



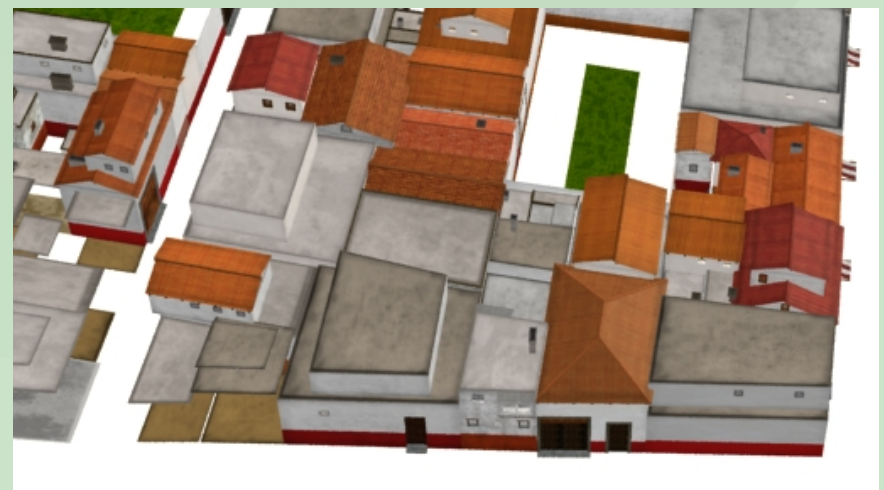
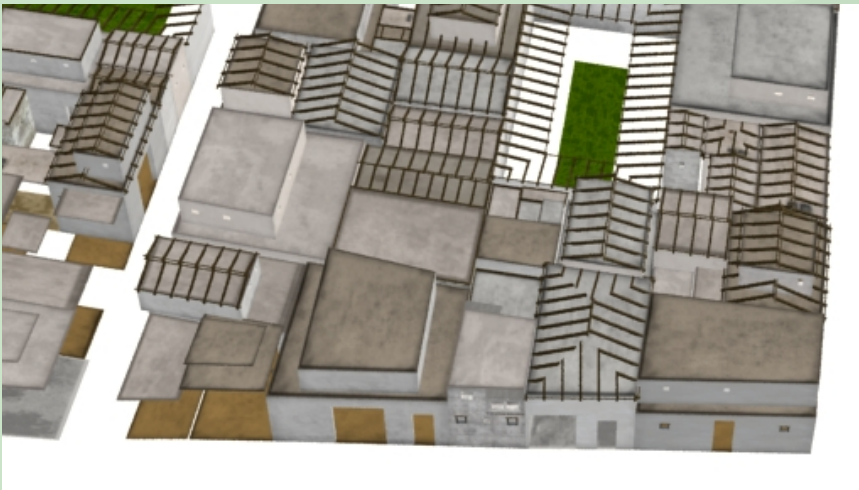
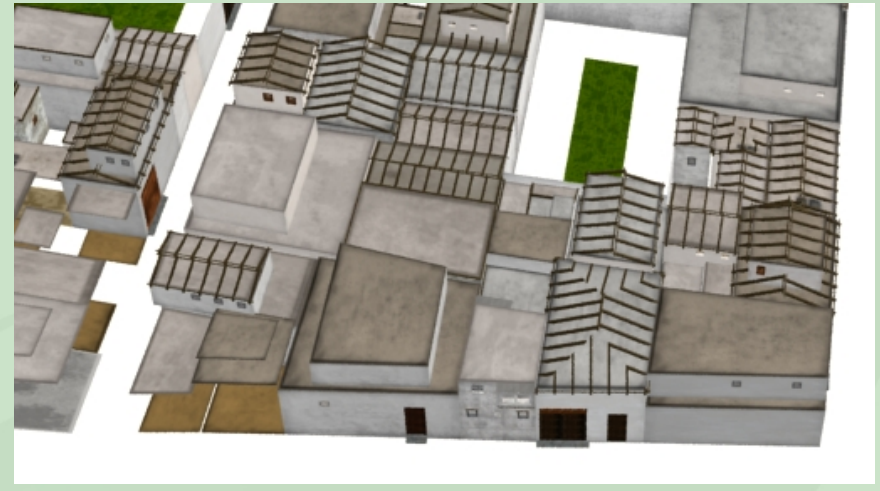
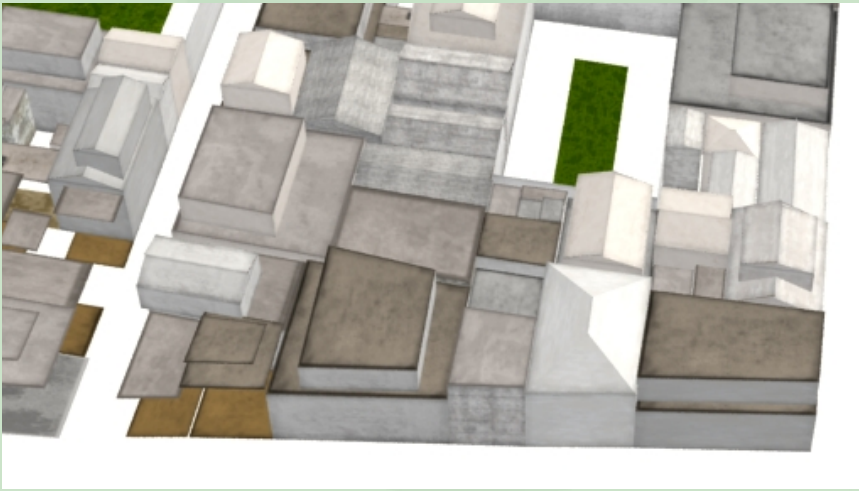
CityEngine

- Papers
 - “Procedural Modeling of Cities”, Mueller et al, SigGraph 2001
 - “Procedural Modeling of Buildings”, Mueller et al, SigGraph 2006
- *CGA Shape* grammars
- Geometry export
 - one RIB archive per building
 - one “master” rib with bounding boxes

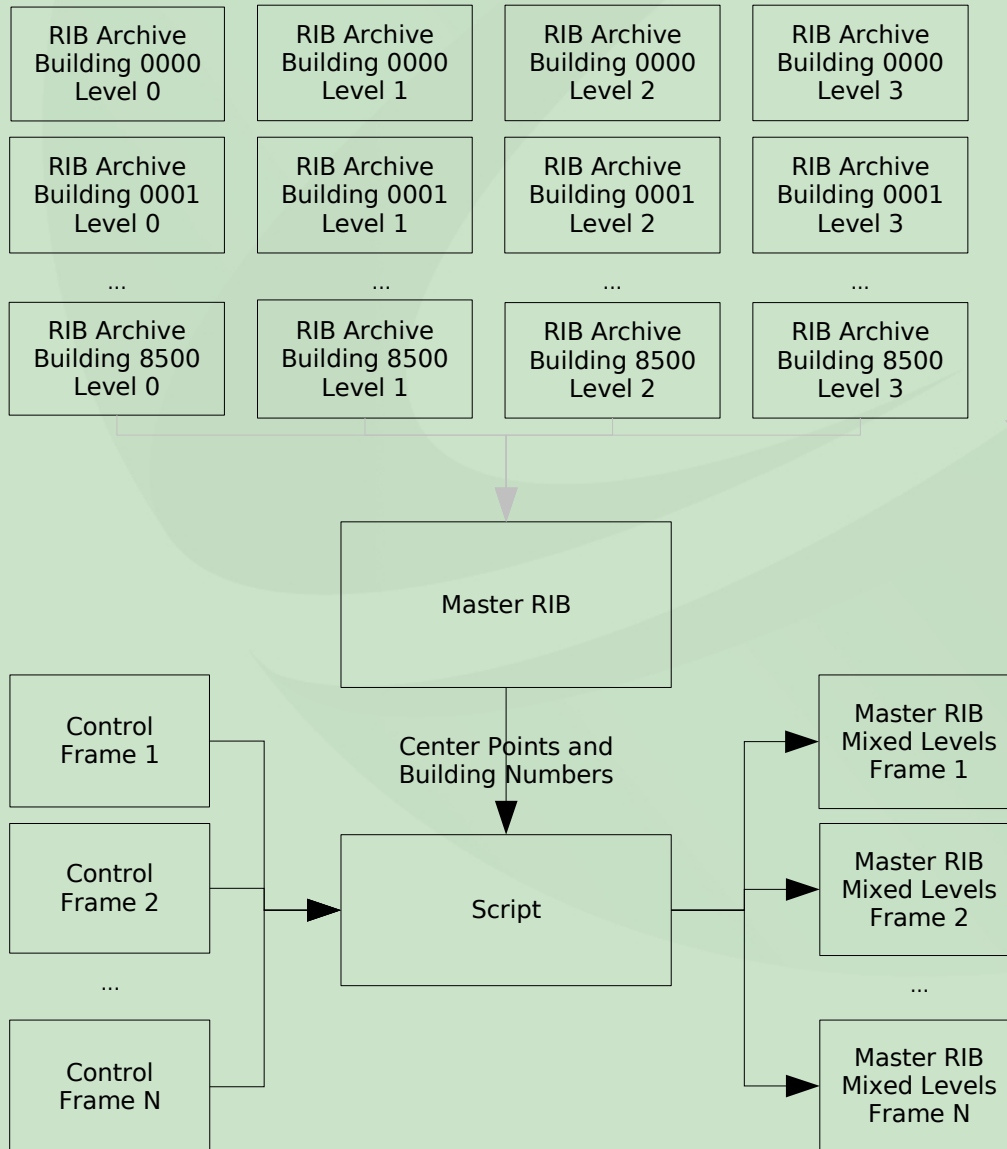
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Building Stages



The Trick



Results

