# Semi-Automatic Interactive Structure-from-Motion

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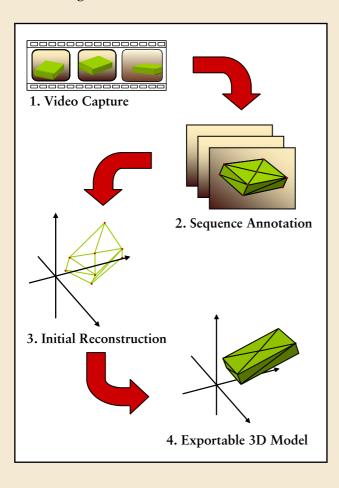


#### Overview

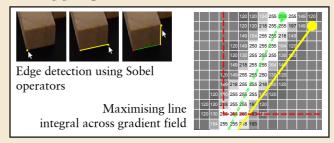
Proteus aims to make structure-from-motion accessible to non-expert audiences through interactive annotation of videos.

#### **Motivation**

Rapid interactive model reconstruction has uses in virtual/augmented reality scenarios as well as games, online worlds and urban modelling.

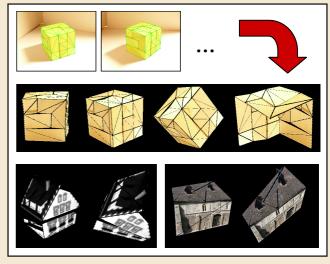


### "Snapping" - Interactive Guidance



A user study confirmed snapping being easy to use and improving edge accuracy.

#### Results



Capabability of reconstructing complex 3D models from user-provided correspondence information.

#### **Future Work**

Self-calibration and bundle-adjustment are likely to improve reconstruction quality.

