

### Photo Capturing

obtain images

detect posture

adjust angles

$I_1, I_2 \cdots I_n, \theta_1^i, \theta_2^i \cdots \theta_n^i$

feature detect  
and match

$F^{ij}$

compute  
APAP vertices

$u_i, Q$

similarity  
transform

$V^{ij}, T^i$

alignment  
term

$\Phi_a$

similarity  
transformation  
term

$\Phi_s$

local simi-  
larity term

$\Phi_l$

seam finder

texture  
mapping

Panorama

### Image Stitching

#### Mesh Optimization

$\tilde{P}$