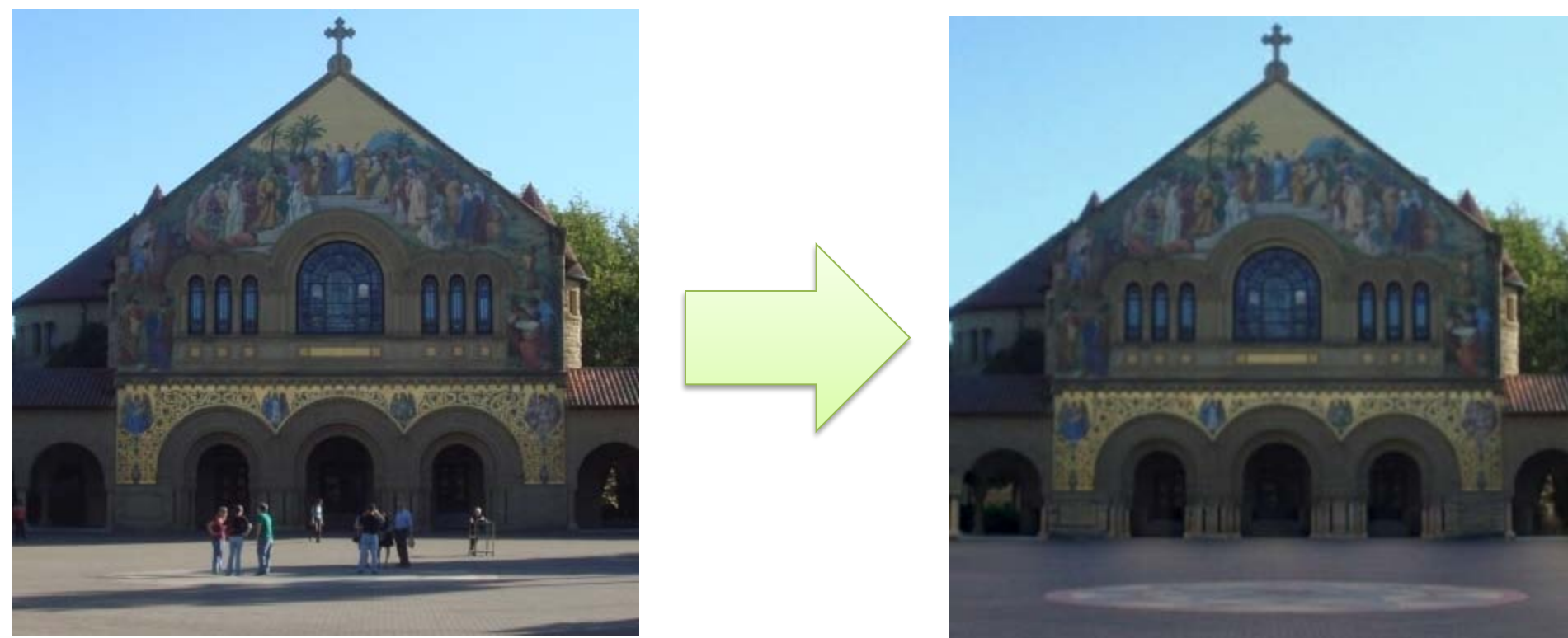


# Database-assisted Interactive Mobile Image Completion

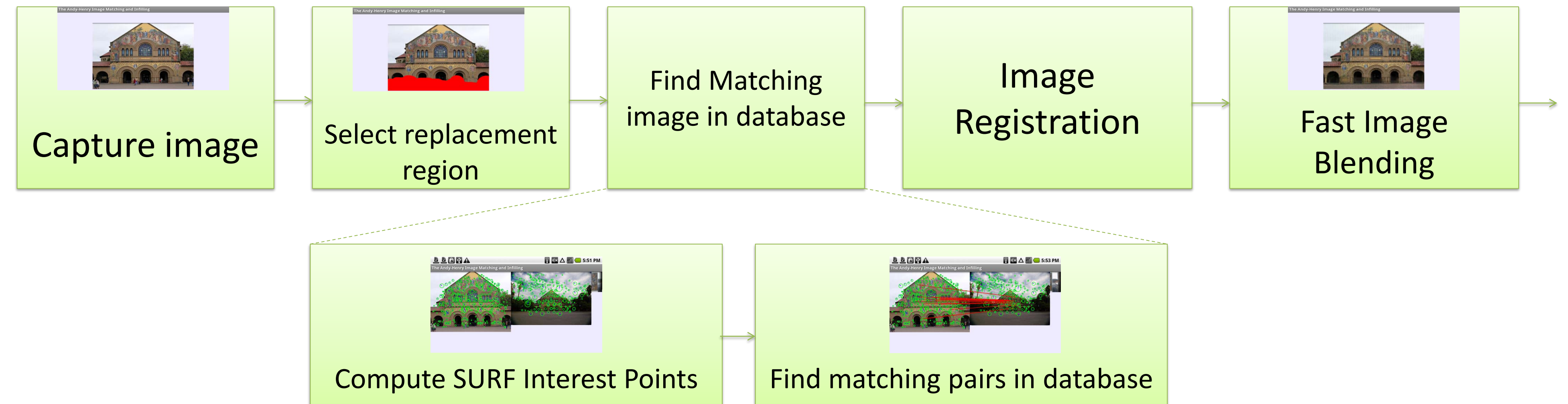
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## Motivation

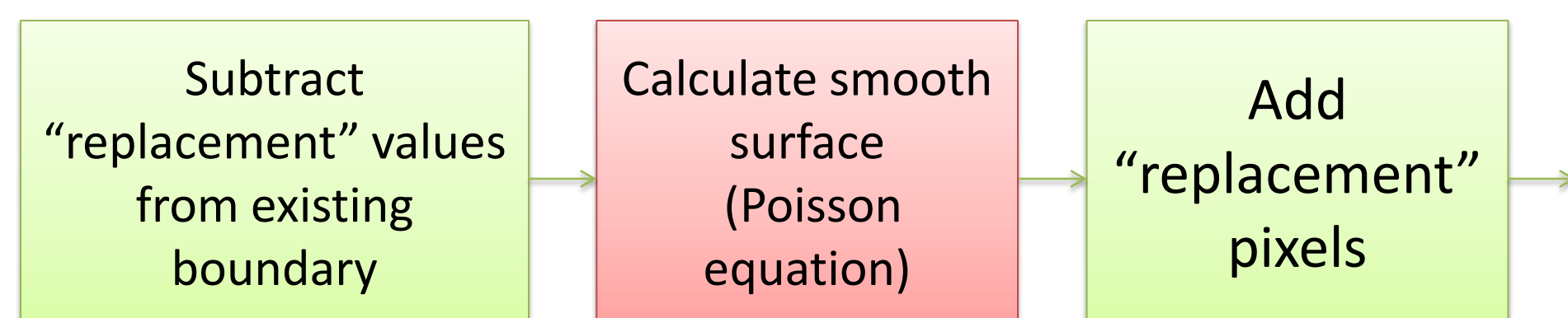


## Approach



## Fast Image Blending

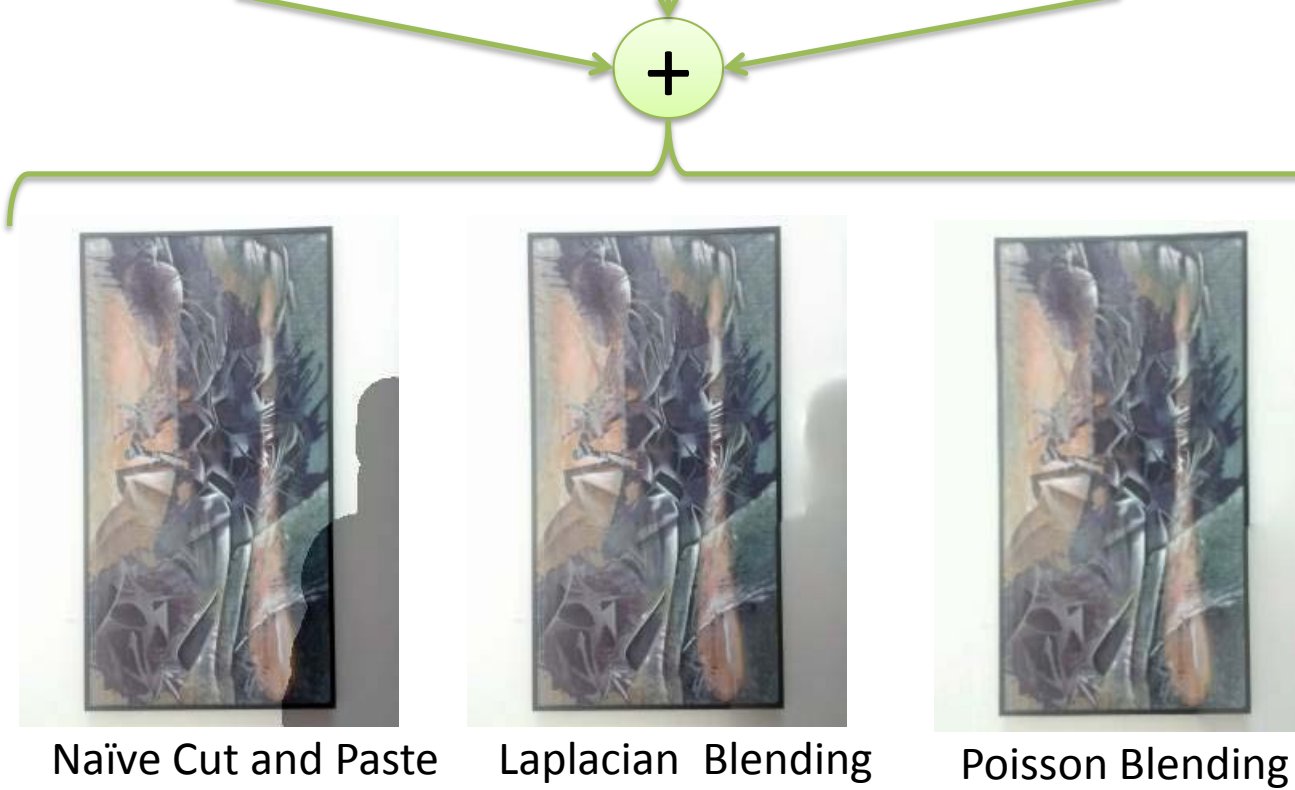
### Poisson Blending



### Our Technique

$$f(x, y) = \alpha \sum_{\beta} e^{-d_i/\min(d)} \cdot \beta_i$$

- Approximates Poisson result
- More than 60 times faster than Poisson blending on Android phone
- Uses a fraction of the amount of memory



### Average Image Blending Times

Resolution	Poisson	Our Technique
160 x 120	134 s	2.3 s
320 x 120	(out of memory)	4.2 s

## Experimental Results

