

Snakes: Active Contours

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<http://www.cab.u-szeged.hu/~kato/variational/>

Introduction

- Proposed by
 - Michael Kass
 - Andrew Witkin
 - http://www.ri.cmu.edu/people/witkin_andrew.html
 - Demetri Terzopoulos
 - <http://mrl.nyu.edu/~dt/>

Snakes: Active Contour Models.

*International Journal of Computer Vision,
Vol. 1, pp 321-331, 1988.*

What is a snake?

- An energy minimizing *spline* guided by external constraint forces and pulled by image forces toward features:
 - Edge detection
 - Subjective contours
 - Motion tracking
 - Stereo matching
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