

Mar 2006 – sept 2006

Echocardiographic videos segmentation

Using statistics based level sets and active contours

- Main achievements**

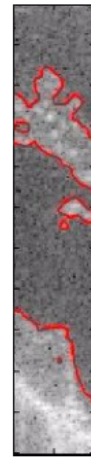
- Level sets parameterization with radial basis functions (RBF).

- Implicit surface interpolation.

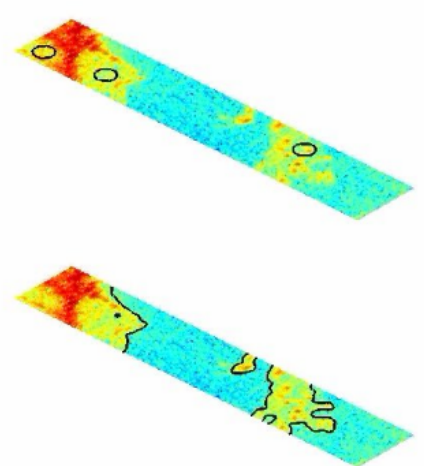
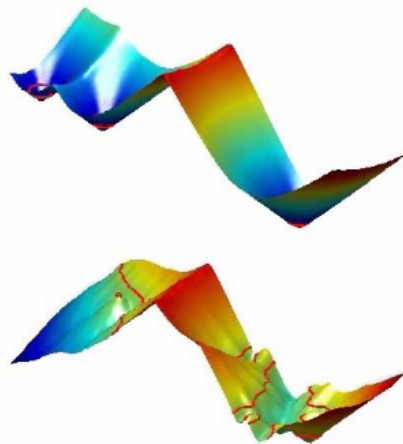
- Grid layout optimization for RBF centres.



Source image + 3 initialized contours



Final segmented image



Equivalent view of the segmentation on implicit surface

- Programming languages, libraries, versioning tools and OS**

- Languages : Matlab
- Versioning : Cvs
- OS : Windows

- Collaborations and partnerships**

- [Denis Friboulet](#)
- [Olivier Bernard](#)
- [CHU de Bordeaux](#) (data)