

# CAMEO - CARDIAC MOTION ESTIMATOR

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June 28, 2012

# INTRODUCTION

- application for analysis of heart kinetics from time sequences of 2D slices
- features
  - ▶ estimation of motion in video sequence
  - ▶ segmentation of left ventricle even in tagged data
  - ▶ evaluation of **ejection fraction** and **CURE index**
- platform
  - ▶ MS Windows (written in C#)
    - ★ it can be build in freely available MS Visual Studio Express for C#

# SCREENSHOTS

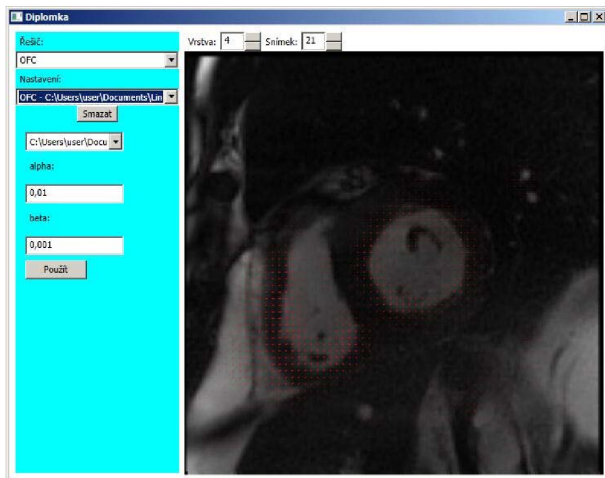


FIGURE: Estimation of the vector field of motion

# SCREENSHOTS

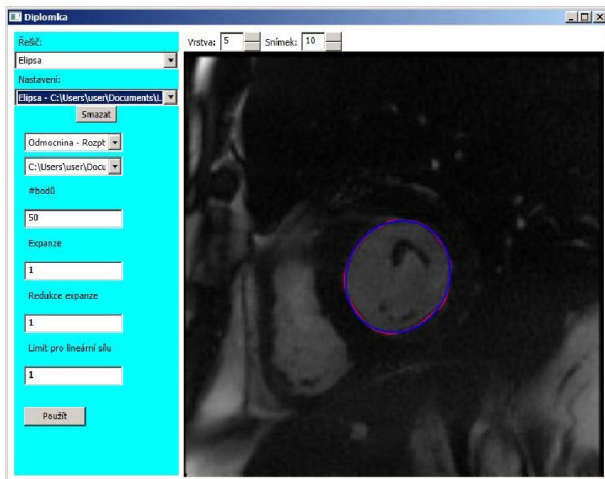


FIGURE: Left ventricle segmentation

# SCREENSHOTS

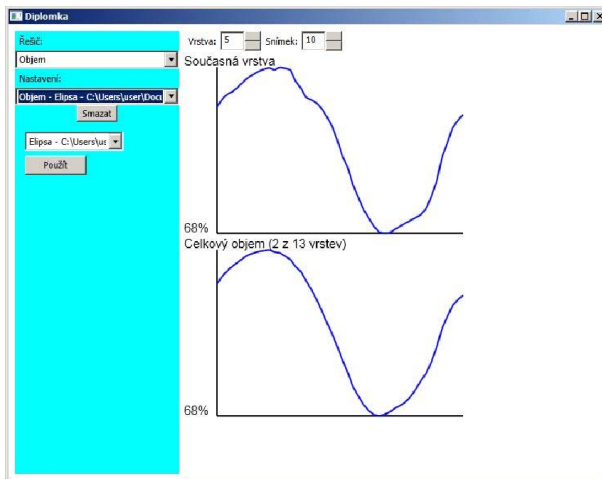


FIGURE: Curve showing the left ventricle volume during one cycle