



FACULTY
OF INFORMATICS

Masaryk University

3D super-resolution with machine learning

.....

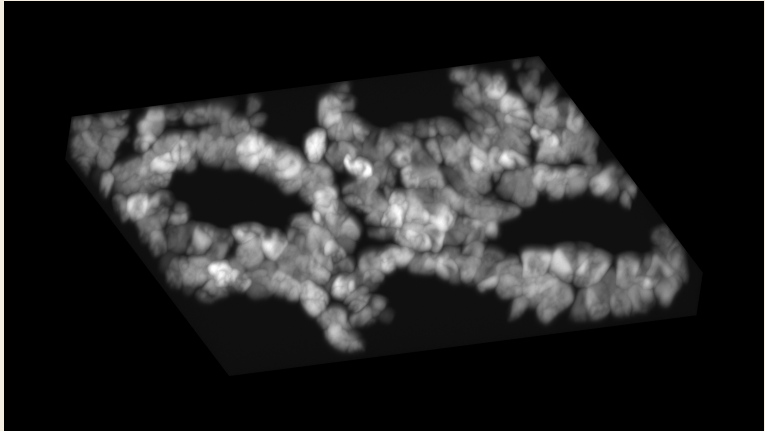
PV162 project

Michal Jankovič, supervisor: doc. RNDr. David Svoboda, Ph.D.

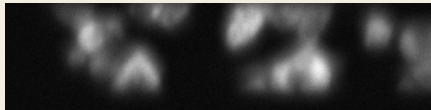
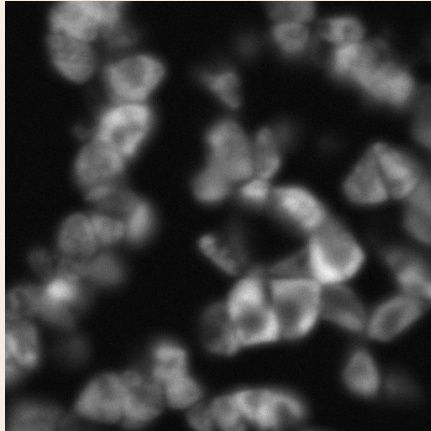
Talk structure

- Problem introduction
- Method description
- Evaluation

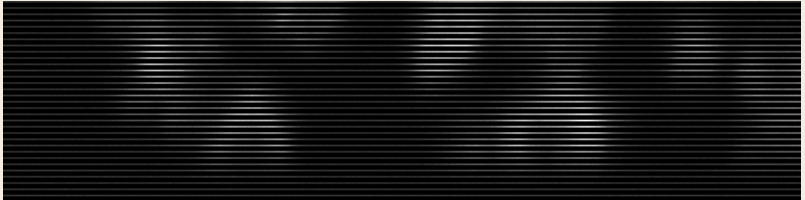
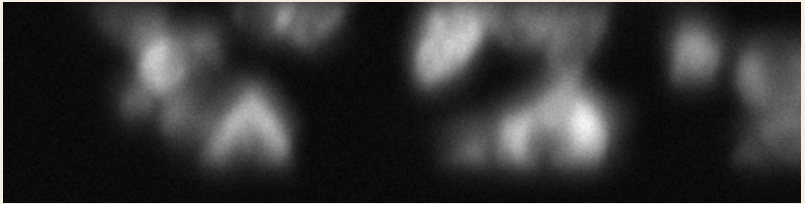
Problem introduction



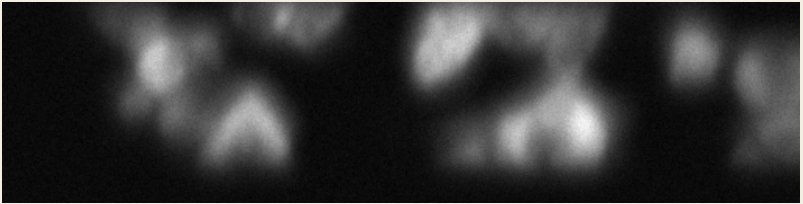
Data



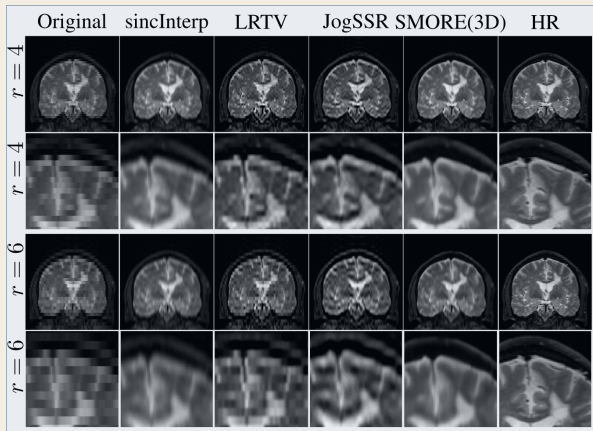
Anisotropic resolution



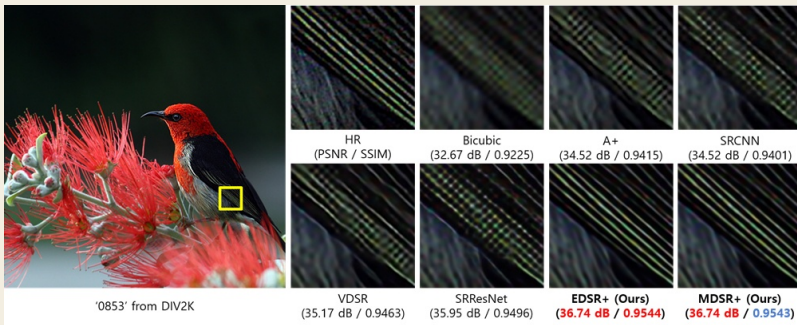
B-spline interpolation



Enter SMORE



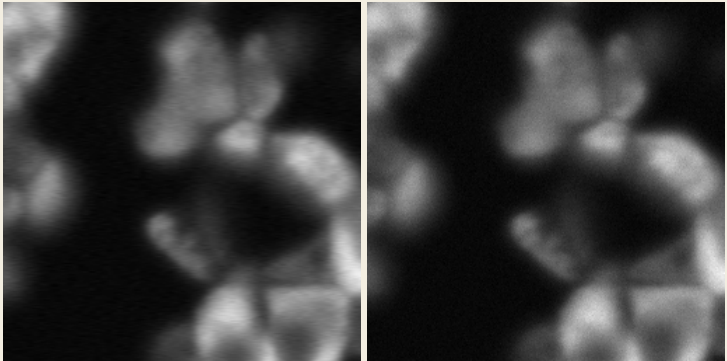
EDSR



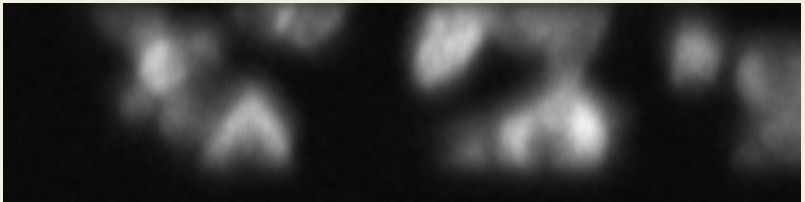
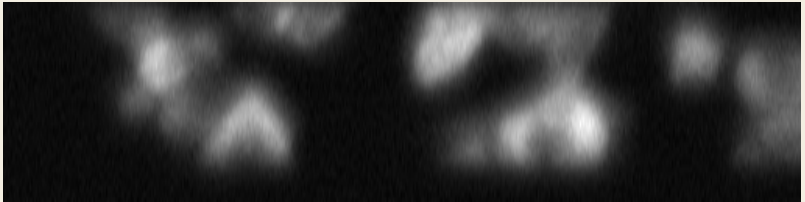
Dataset



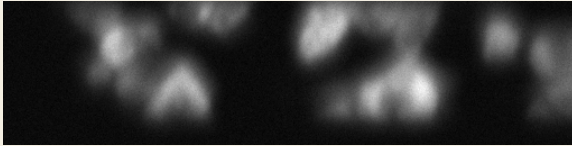
Training



Inference



Evaluation



Evaluation - absolute difference

