Computer Vision

-2023 Lab Project-

Oliver Bimber

Airborne Optical Sectioning

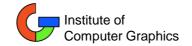
nature machine intelligence

Science Robotics

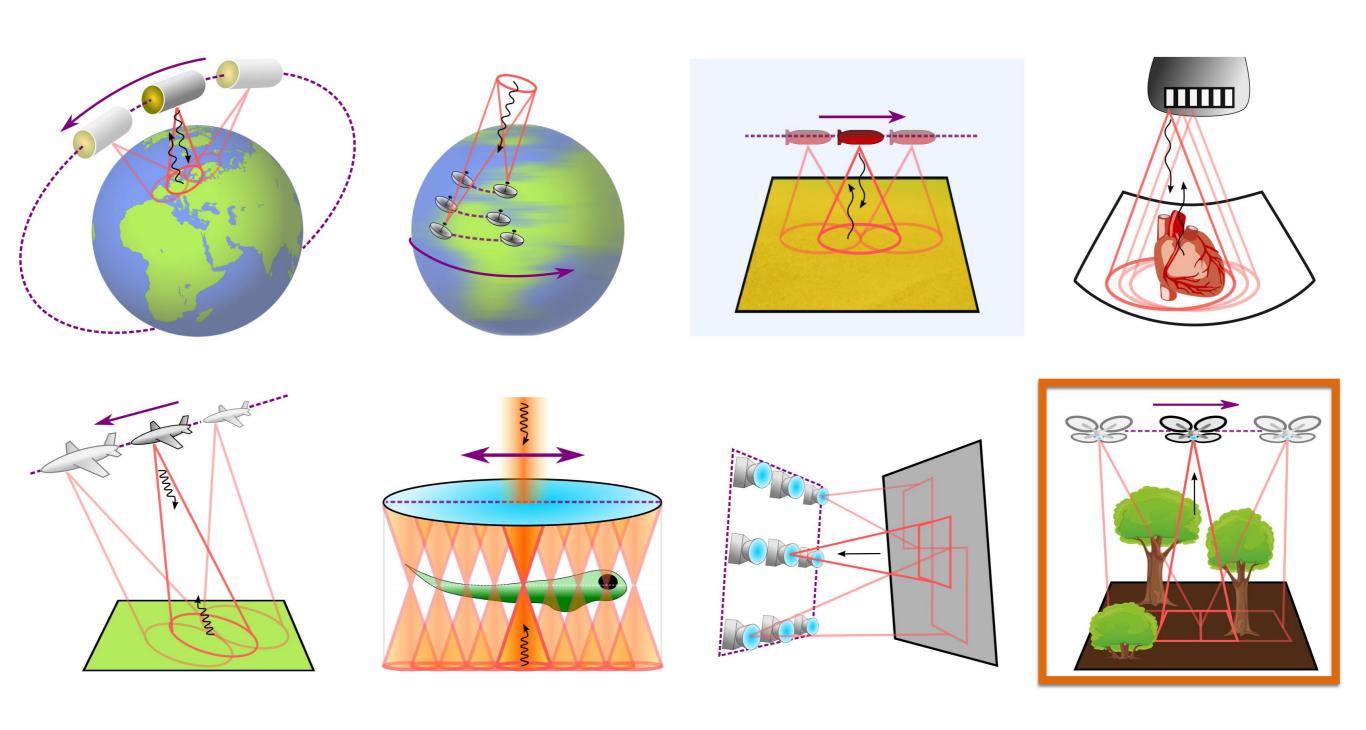




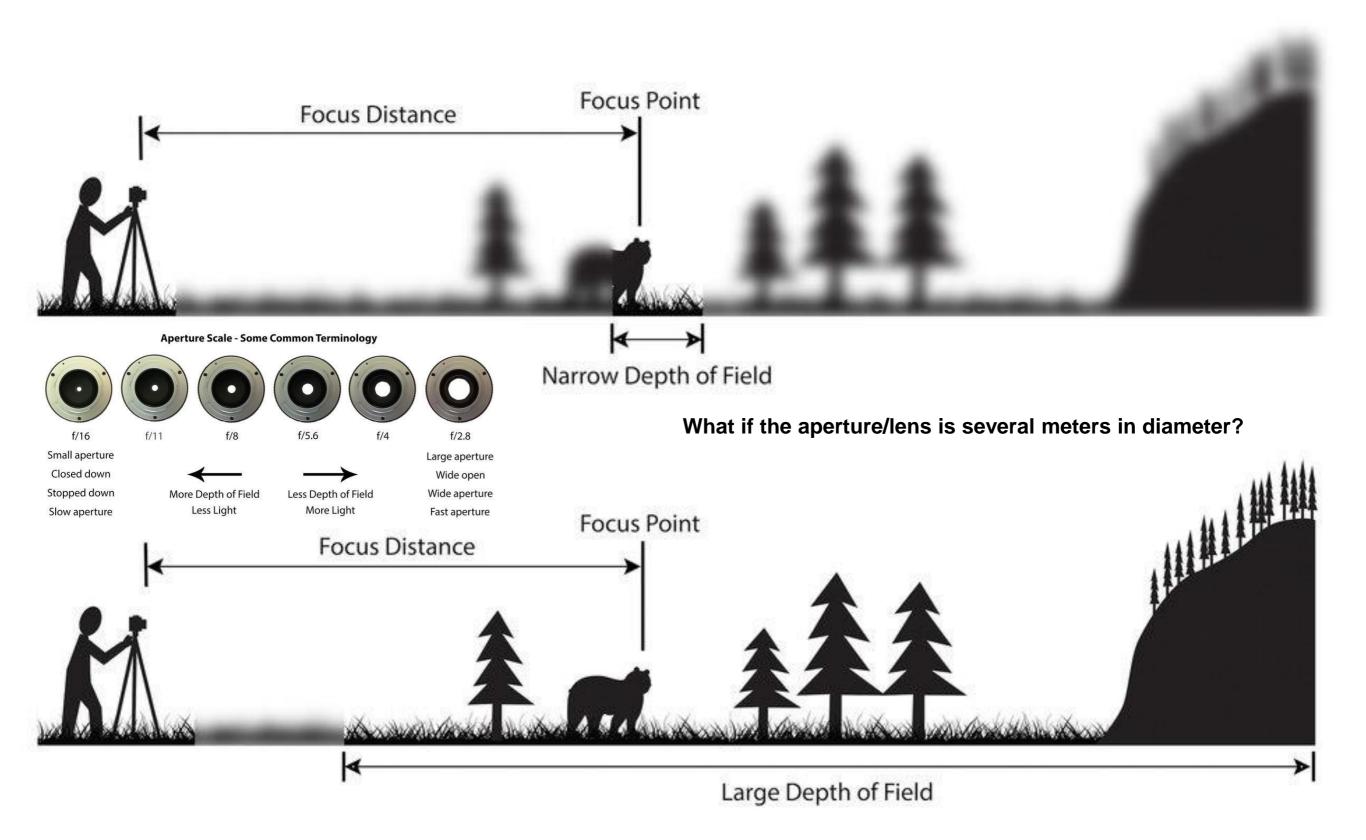
Details: https://github.com/JKU-ICG/AOS/



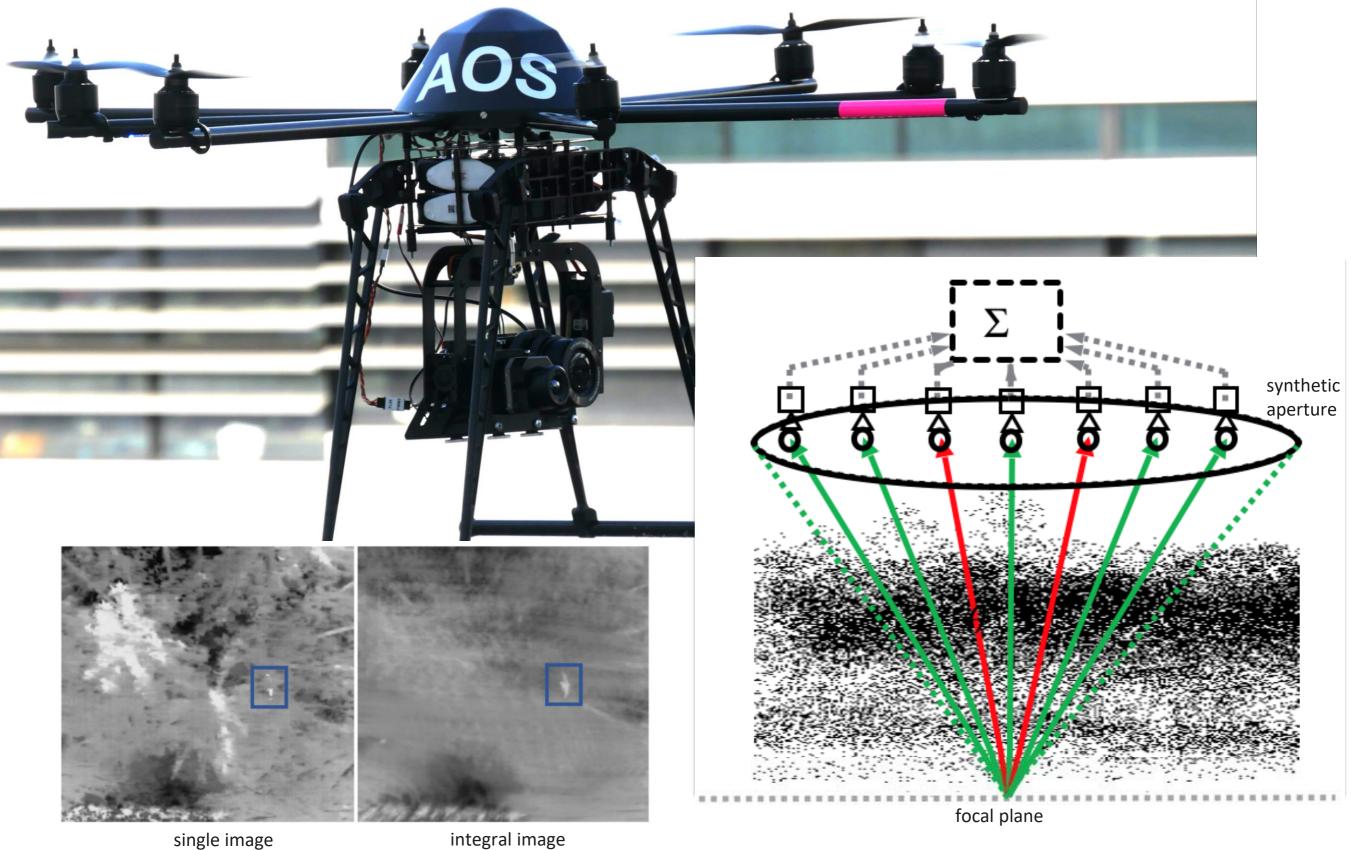
Synthetic Aperture Sensing



Depth of Field



Synthetic Aperture Imaging



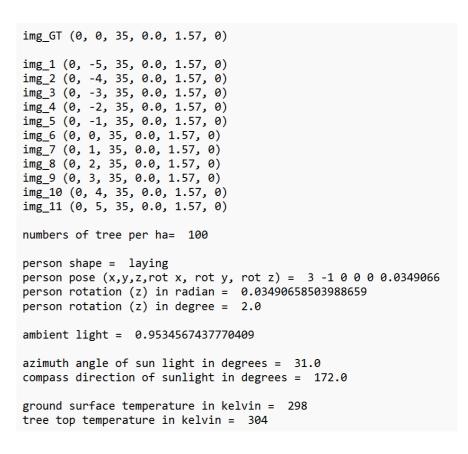
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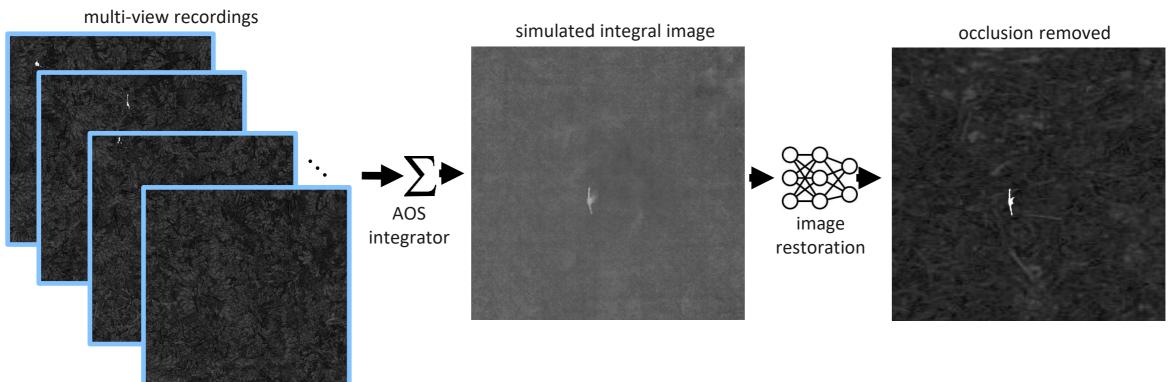
Simulated training dataset

- -33.000 simulations (approx. 48GB)
- 12 images + parameters per simulation





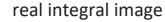


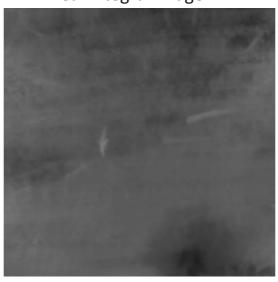


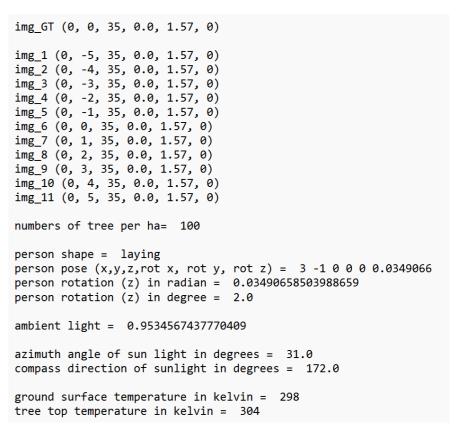
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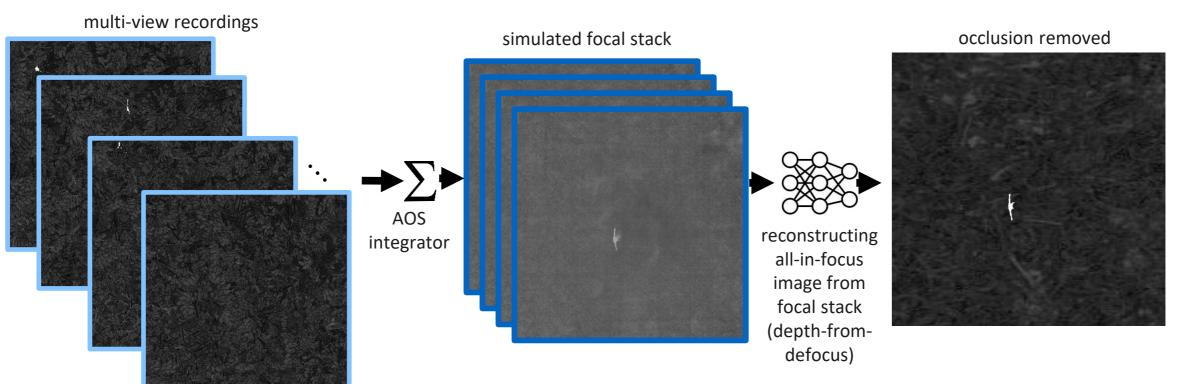
Simulated training dataset

- -33.000 simulations (approx. 48GB)
- 12 images + parameters per simulation









Simulated Data

training dataset



Data and Code

Data and Code: https://drive.google.com/drive/folders/IUC6sGGWkRpJjqyYOnqByaa_mxeucFmqJ

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AOS_integrator	10/10/2023 10:23	Jupyter Source File	8 KB
batch_20230912_part1	16/09/2023 09:06	Compressed Archive F	8.013.129 KB
batch_20230912_part2	17/09/2023 13:09	Compressed Archive F	7.946.549 KB
batch_20230919_part1	21/09/2023 21:46	Compressed Archive F	8.089.582 KB
batch_20230919_part2	22/09/2023 14:02	Compressed Archive F	8.019.908 KB
batch_20231003_part1	03/10/2023 18:26	Compressed Archive F	9.823.597 KB
README	27/10/2023 14:23	Text Document	7 KB