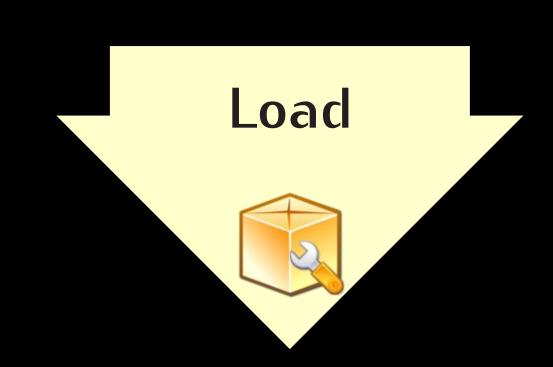
## Cph CT Toolbox: On-line CT Reconstruction in Industrial Production Lines

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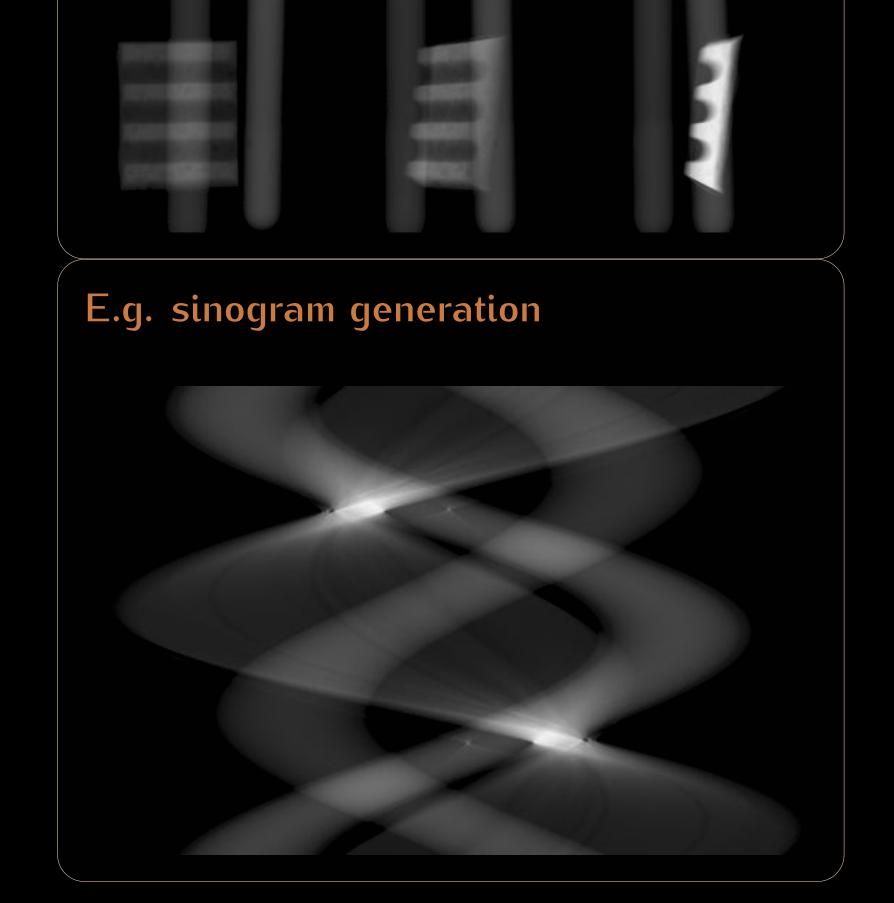
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## Scene, binary or custom formats



E.g. flat field correction



## Intro

Cph CT Toolbox is a collection of CT reconstruction implementations providing end-to-end reconstruction of CT scan recordings. It is mainly developed at the University of Copenhagen and it includes Filtered Back Projection algorithms working on flat or curved detectors with a circular or spiral scan motion. It implements a general workflow that suits other existing end future algorithms. We use it ourselves internally on the university and in projects with external academic and industrial partners.

## Main features

- Fan or cone beam
- Circular or spiral scan
- Flat or curved detector
- Fully configurable
- Flexible input/output formats
- Built-in or custom filtering
- Extendable with plugins
- Unlimited pre/postprocessing possibilities
- High performance / scalable
- Platform independent
- Open source (GPL)
- Python, NumPy, PyCUDA
- Used in industrial and reseach environments

Reconstruction

