

Računalniška tomografija

V garaži

Od objekta do informacije o strukturi

- Zajem posnetkov z različnih kotov
- »Back projection«
- Filtriranje slik
- Prikaz



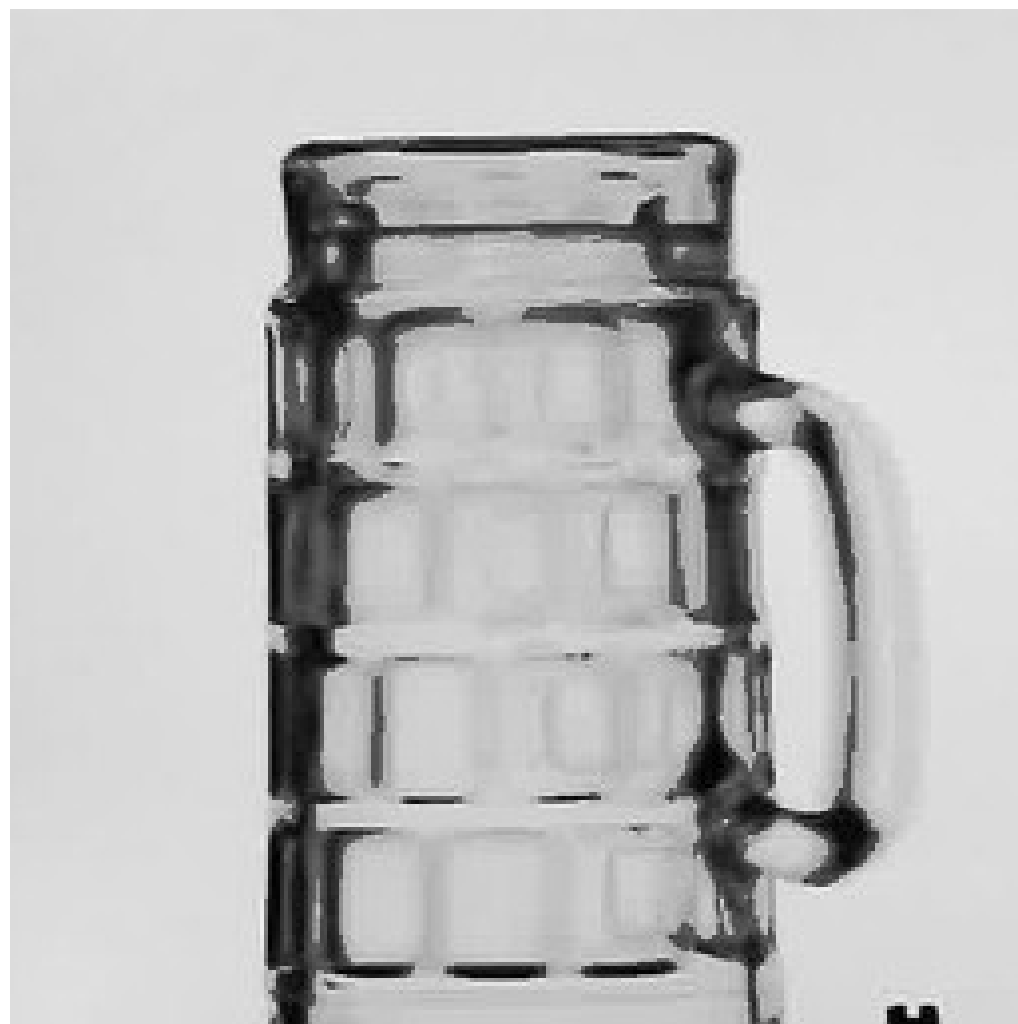
Compact K
300

1. Zajem videa

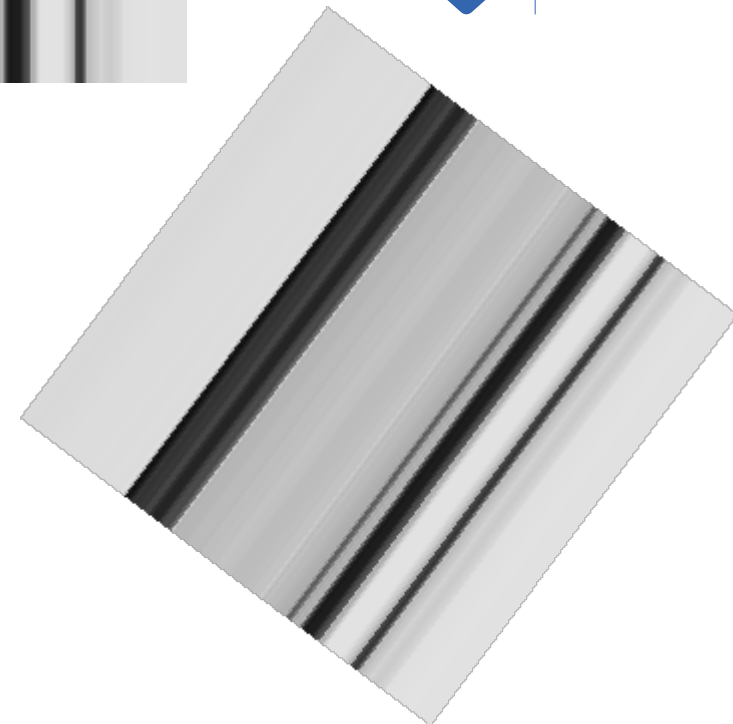
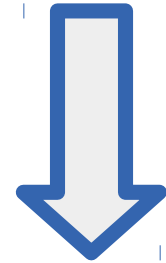
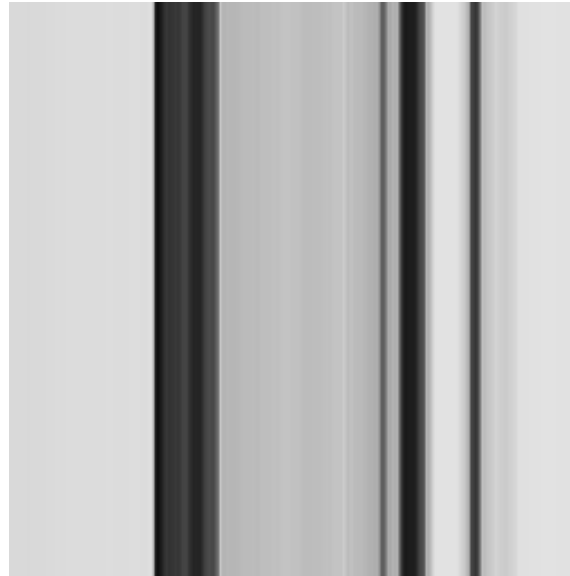
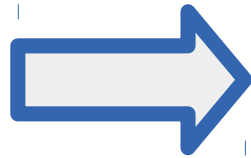
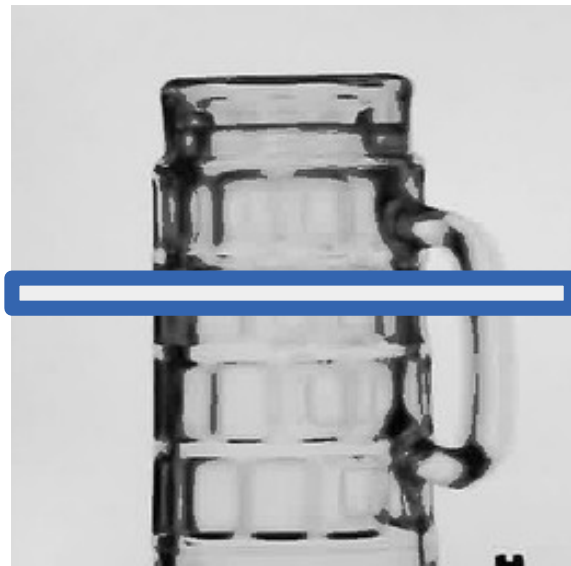


2. Osnovna obdelava sličic

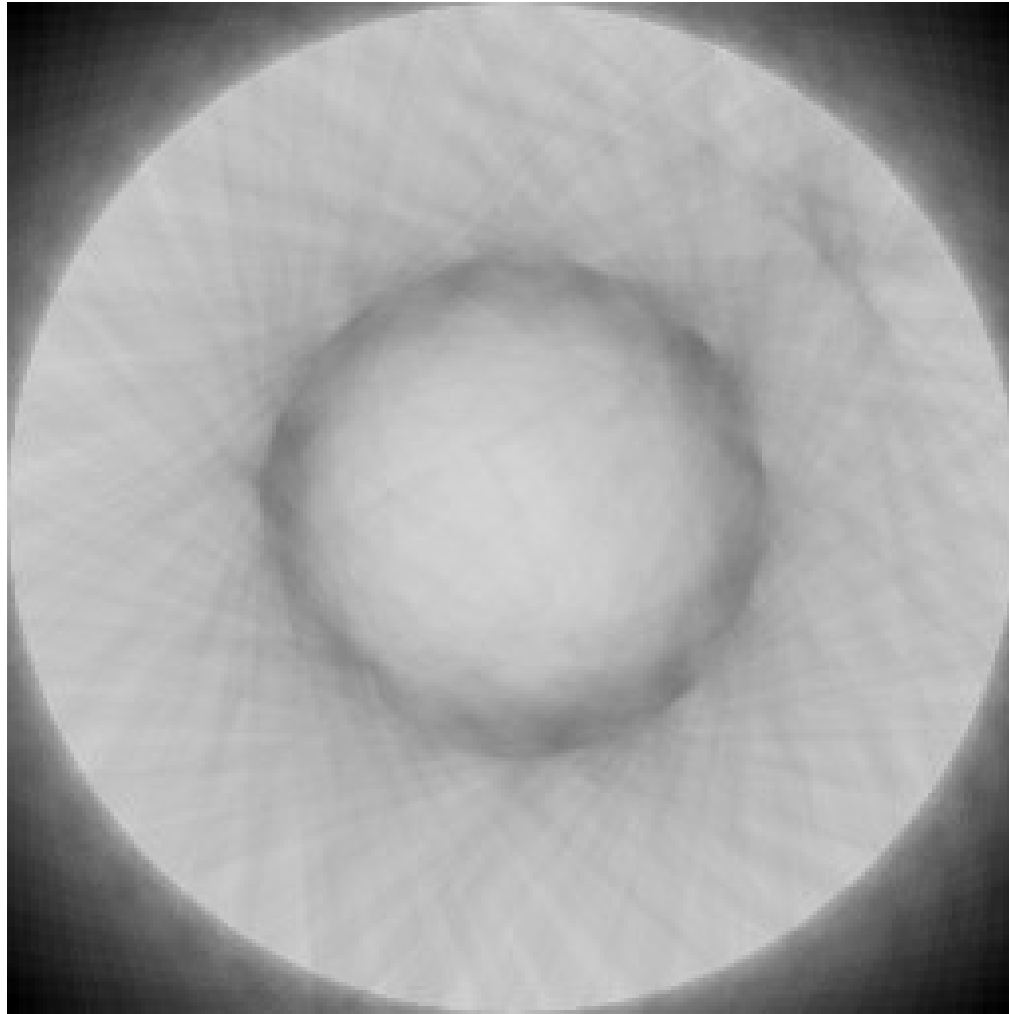
- Obrez
- Zmanjšanje velikosti
- Pretvorba v črno-belo
- Povečanje kontrasta



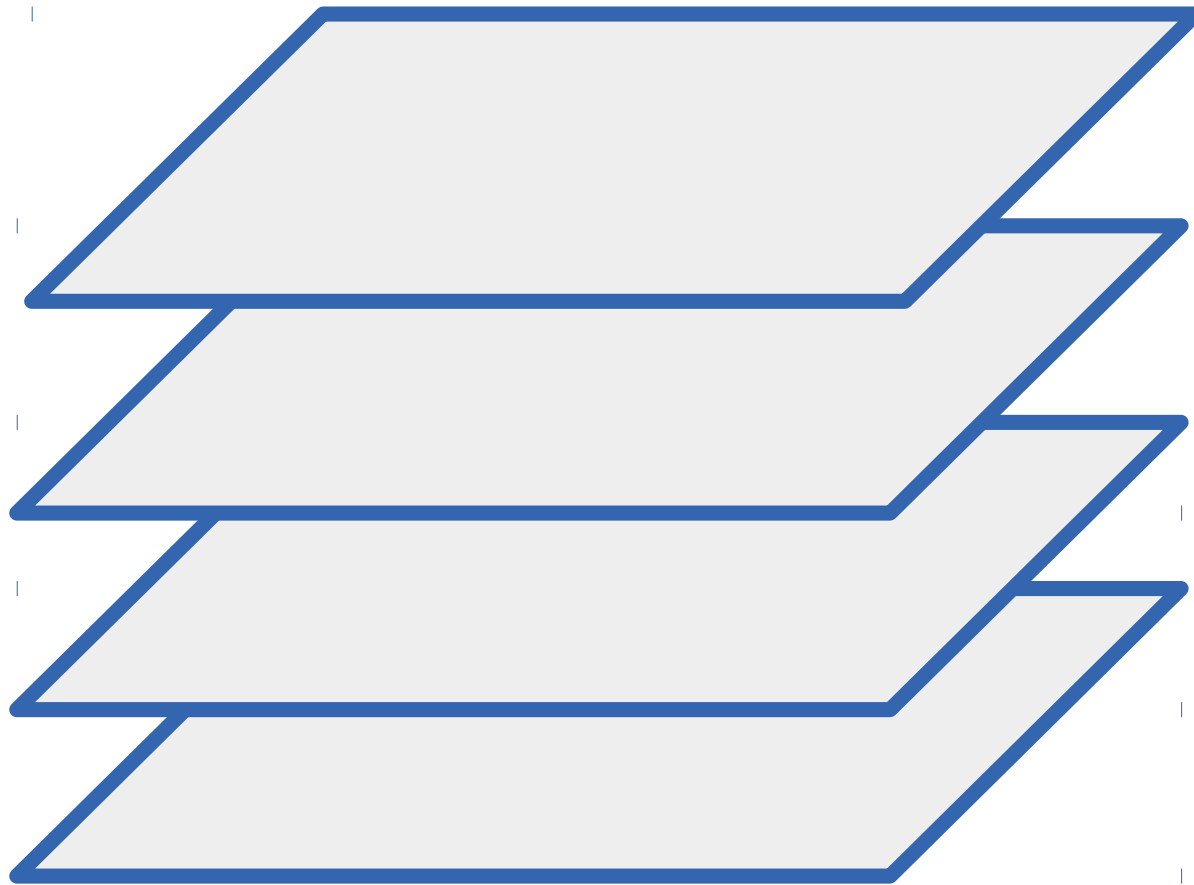
3. Back projection po rezinah



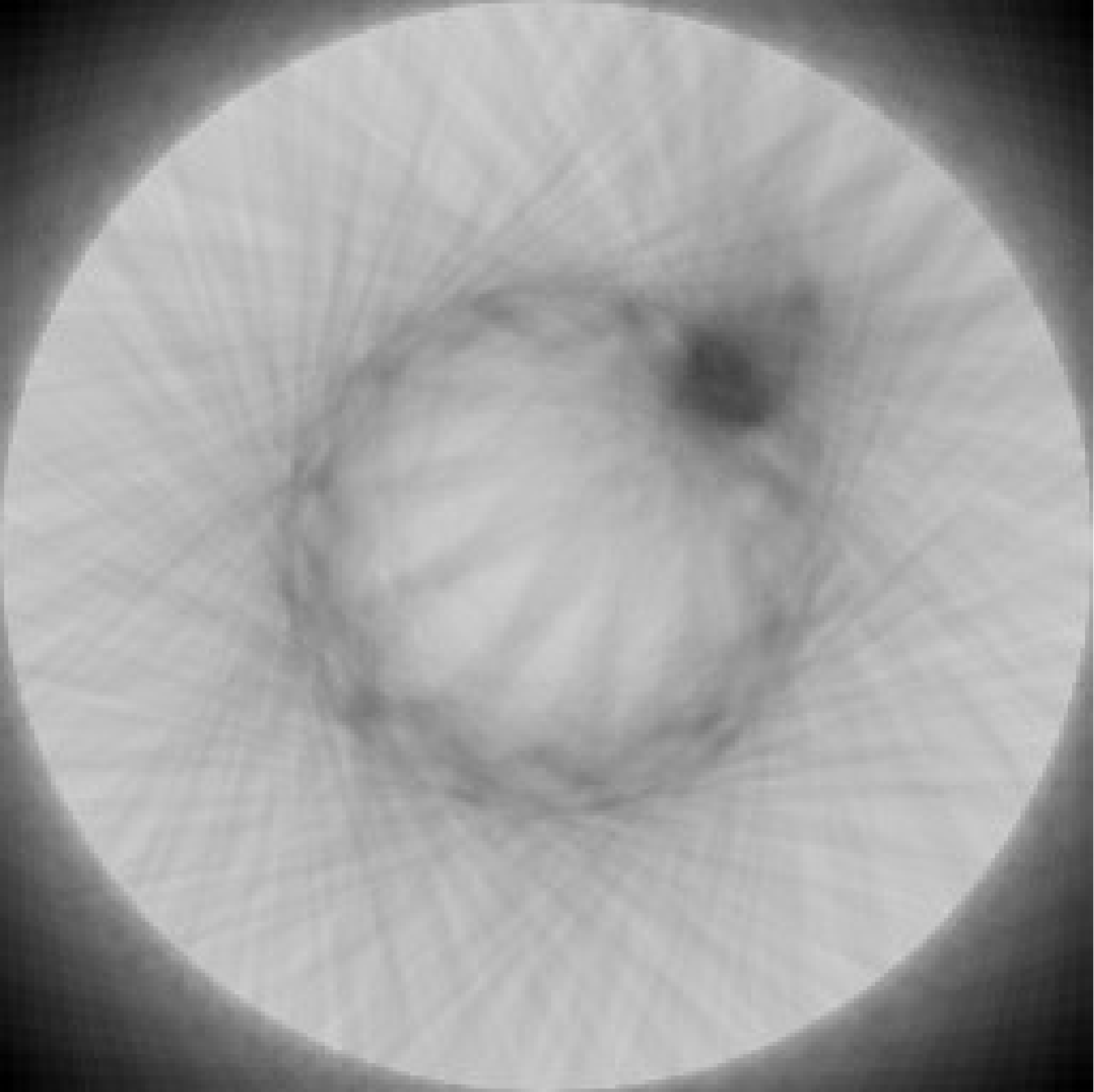
3. Back projection po rezinah

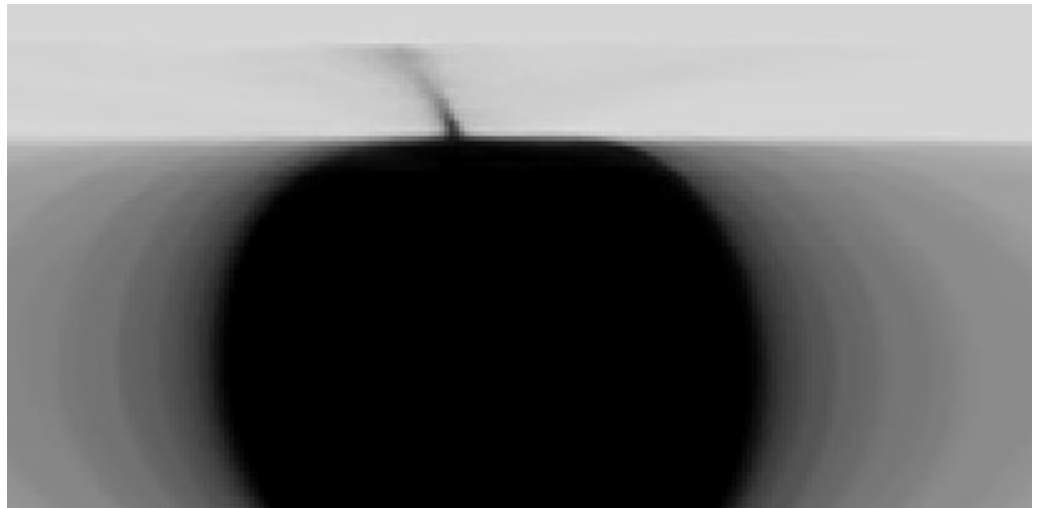
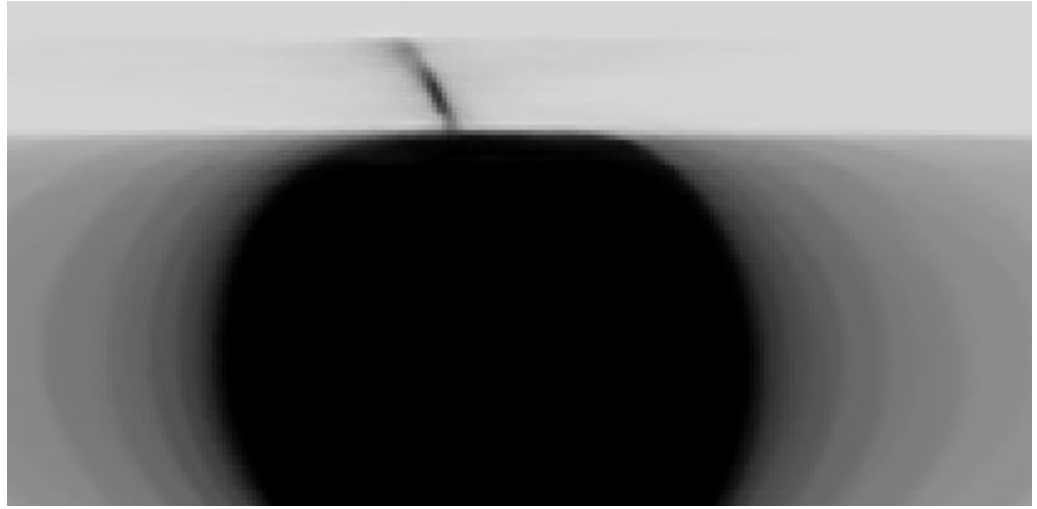
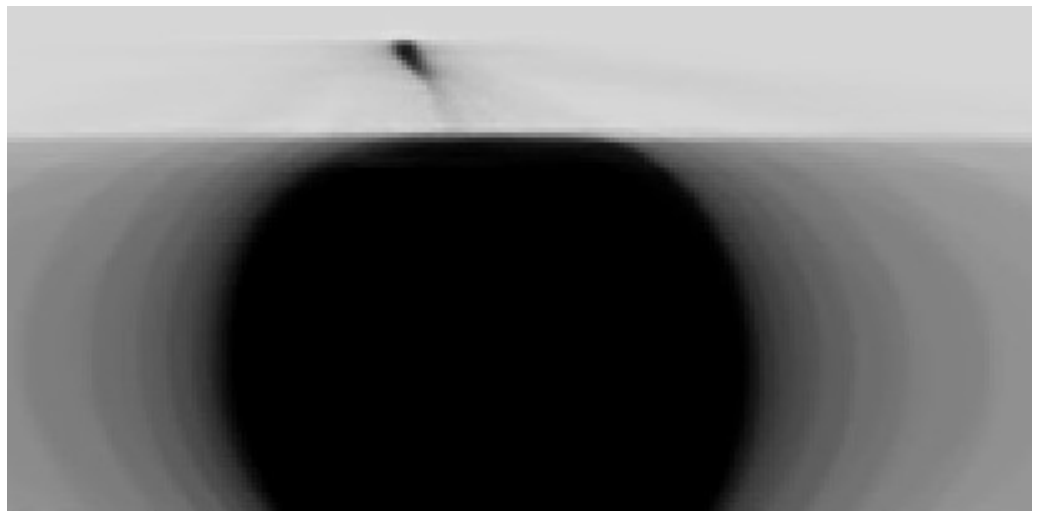
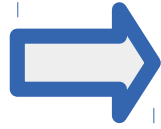


4. Sklad rezin v 3D model



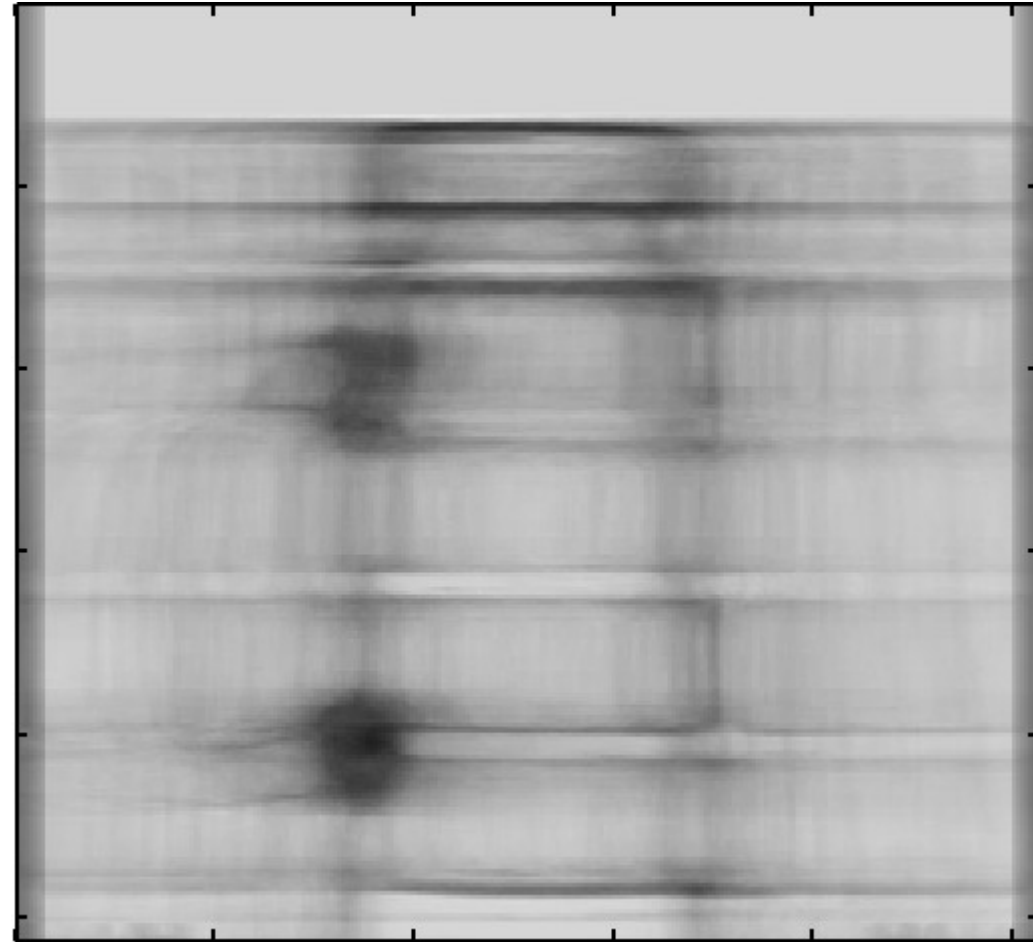
256x256x256

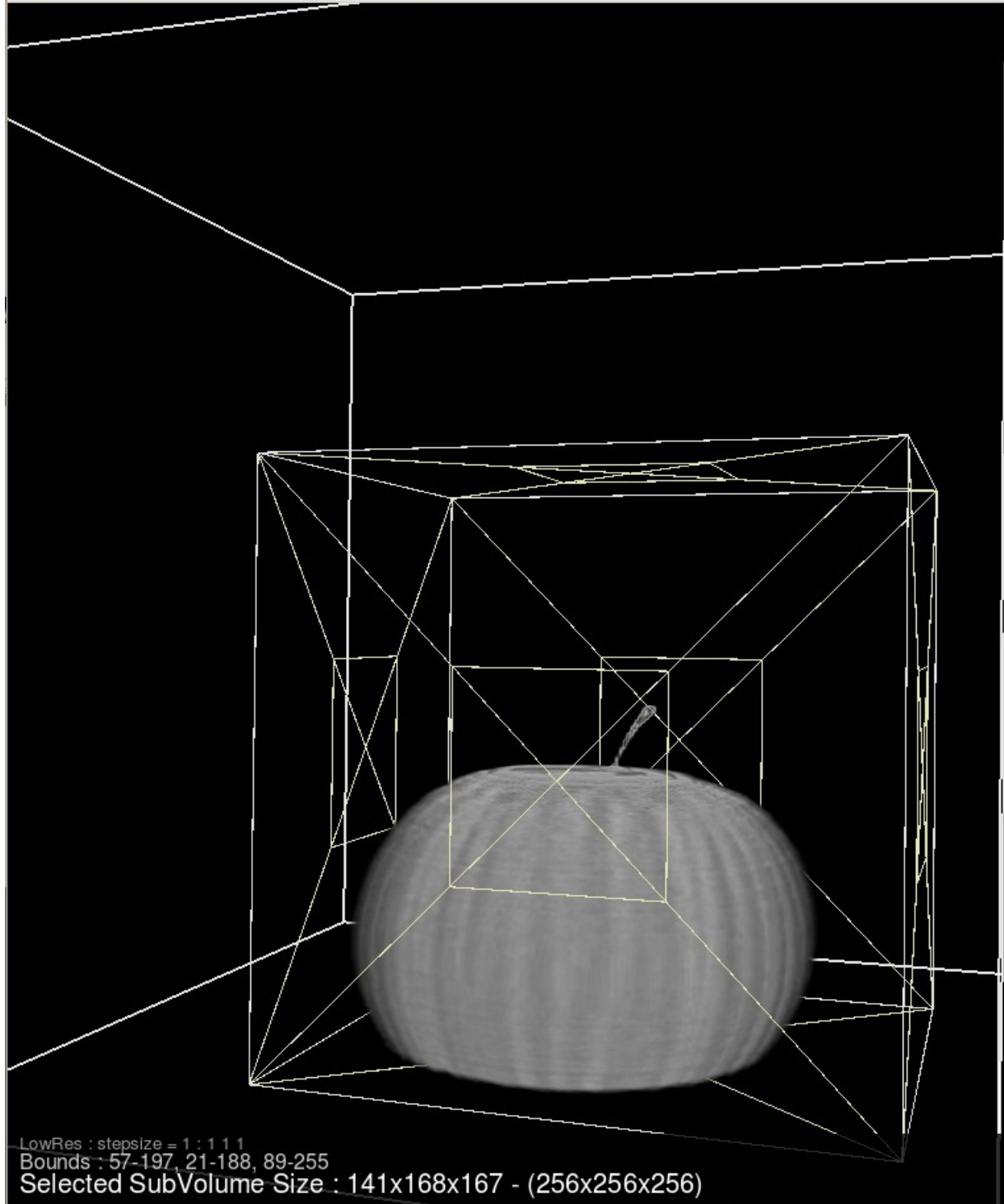




Vizualizacijske tehnike

- Pregled rezin
- Interaktivni 3D prikaz

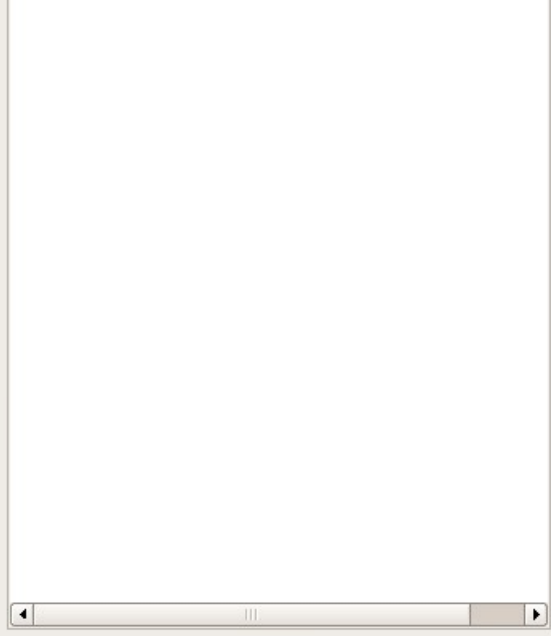




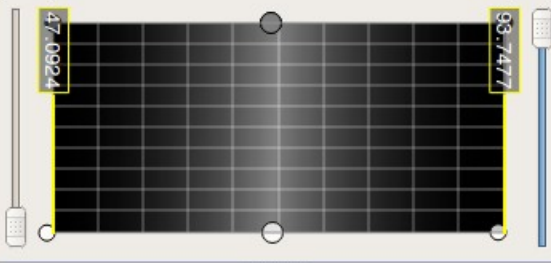
New Refresh Remove

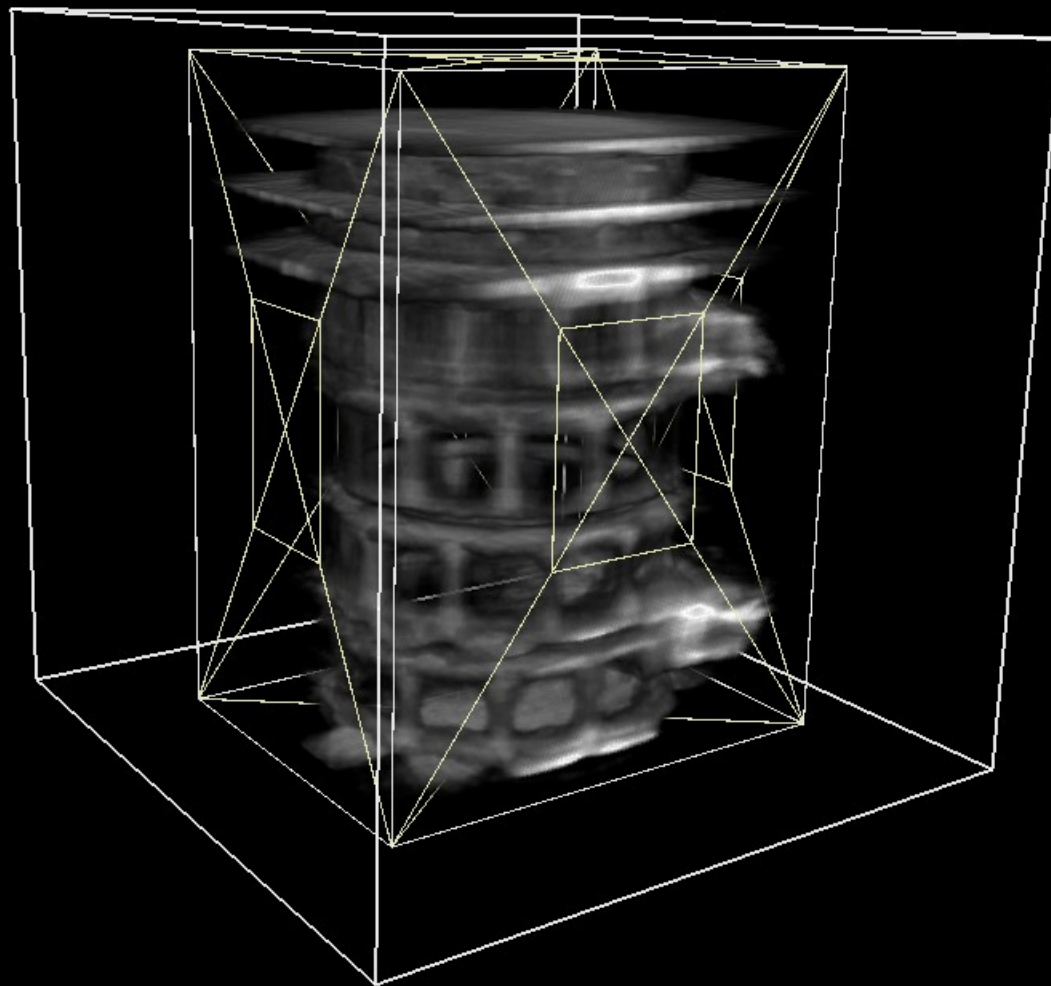
- Replace existing transfer functions at keyframes
- Morph transfer functions during keyframe animation

Name	0	1	2	3	4	5	6	7
TF 0	☑	☐	☐	☐	☐	☐	☐	☐



1 1D 2D 1





LowRes : stepsize = 1 : 1 1 1
Bounds : 50-190, 29-210, 12-255
Selected SubVolume Size : 141x182x244 - (256x256x256)

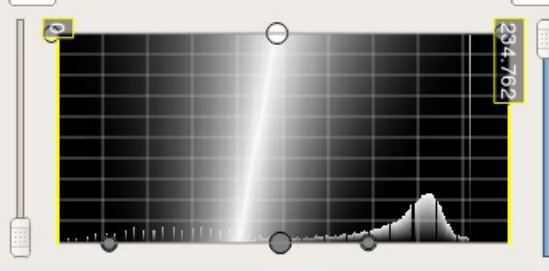
Transfer Function Editor

New Refresh Remove

- Replace existing transfer functions at keyframes
- Morph transfer functions during keyframe animation

Name	0	1	2	3	4	5	6	7
TF 0	✓							

1 1D 2D 1



Problemi in izboljšave

- Lom na steklu
- Perspektiva
- Motion blur
- Os vrtenja



- <https://www.youtube.com/watch?v=Av3xcVCk364>
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