Real-Time Super Resolution
Contextual Close-up of
Clinical Volumetric Data

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Results using our System

Generated on an AMD Athlon 2500 with 1.25 GB of RAM and using OpenGL/ATI Radeon 9550 graphics card
Figure 3 in the paper
Low-resolution
(while interacting in real-time with volume)

High-resolution
(after finishing interaction)
ROI: vessels
Video

• File “taerum-eurovis-06-video”

• Note that video play is not a precise representation of the actual fps performance during capture

• The video plays at 30 fps while system performance ranged from 3-15 fps
Figure 3 in the paper

No subdivision
Order 3 subdivision
Order 4 subdivision

Figure 3 in the paper
Silhouette-enhanced
3D color fluorescent confocal microscopy image of kidney cells, rendered with maximum luminosity projection.

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