

# Medical Imaging in Chronological Order

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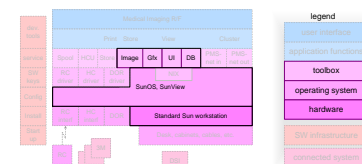
## Abstract

The chronological events of the product creation of the medical imaging workstation are discussed. The growth in functionality and size from prototype to product is shown. Typical problems in this period are explained.

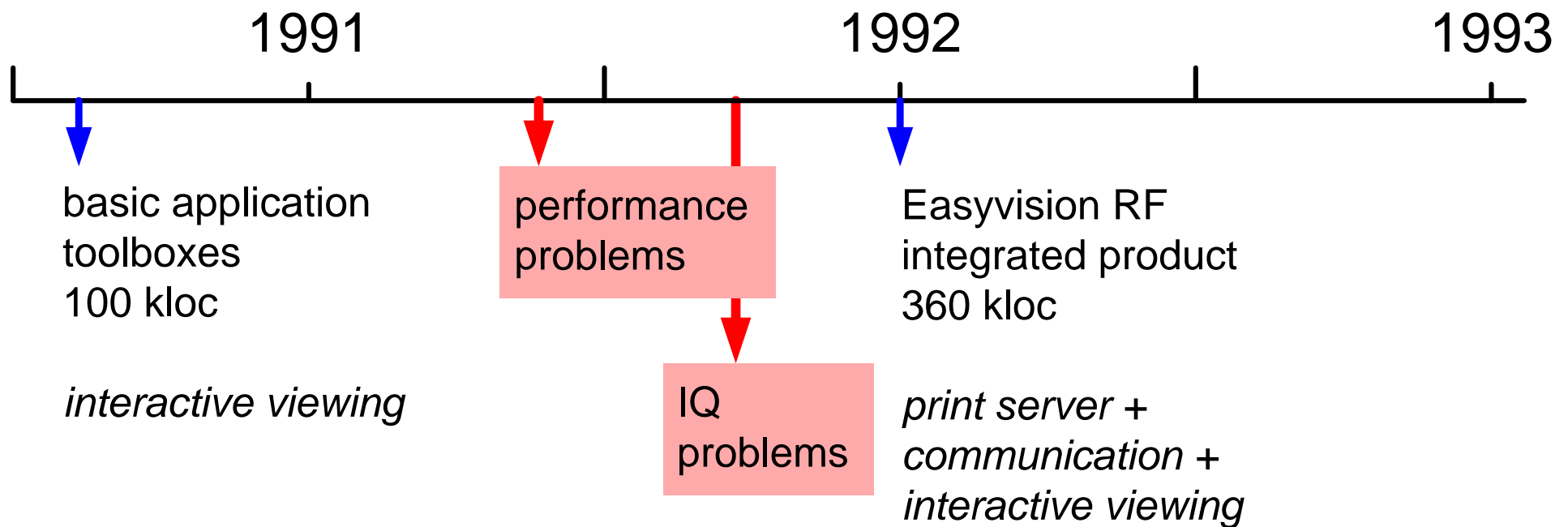
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June 23, 2016  
status: finished  
version: 1.2



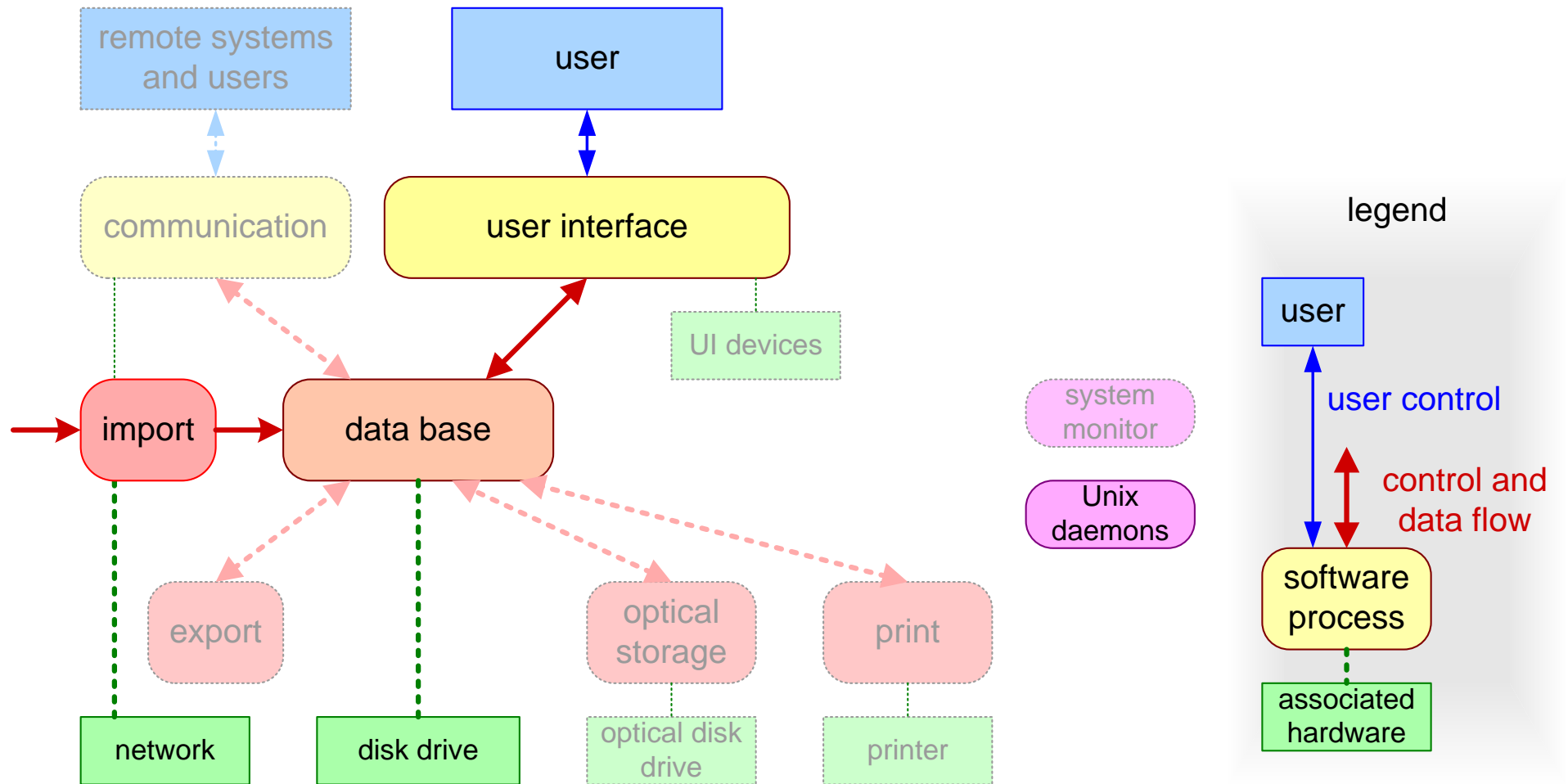
# Chronology of Easyvision RF R1 development



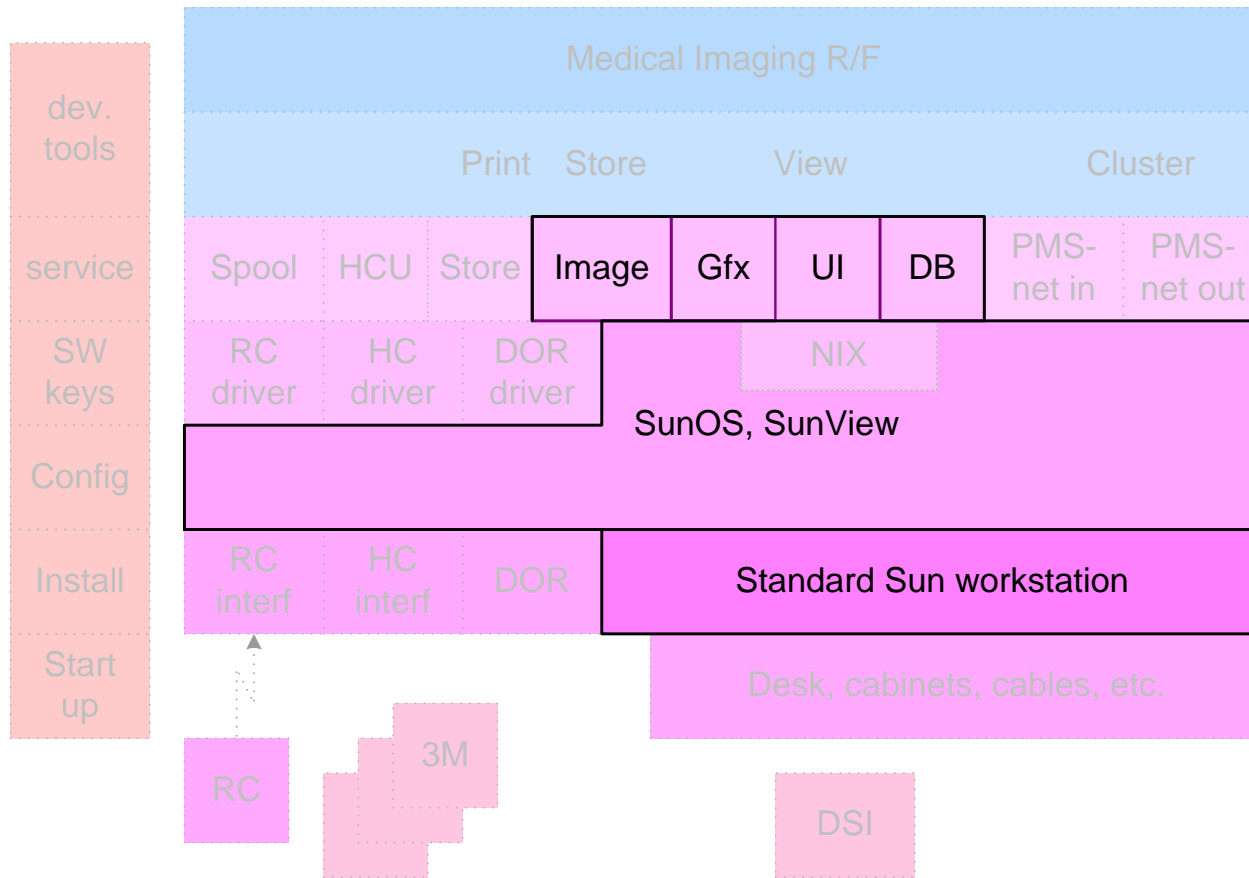
marketing opinion:

"All the functionality is available,  
we only have to provide a clinical UI"

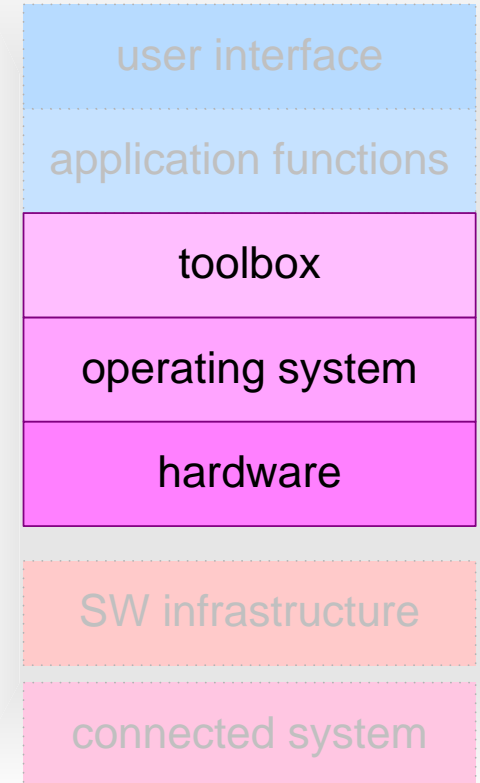
# SW Process structure 1991



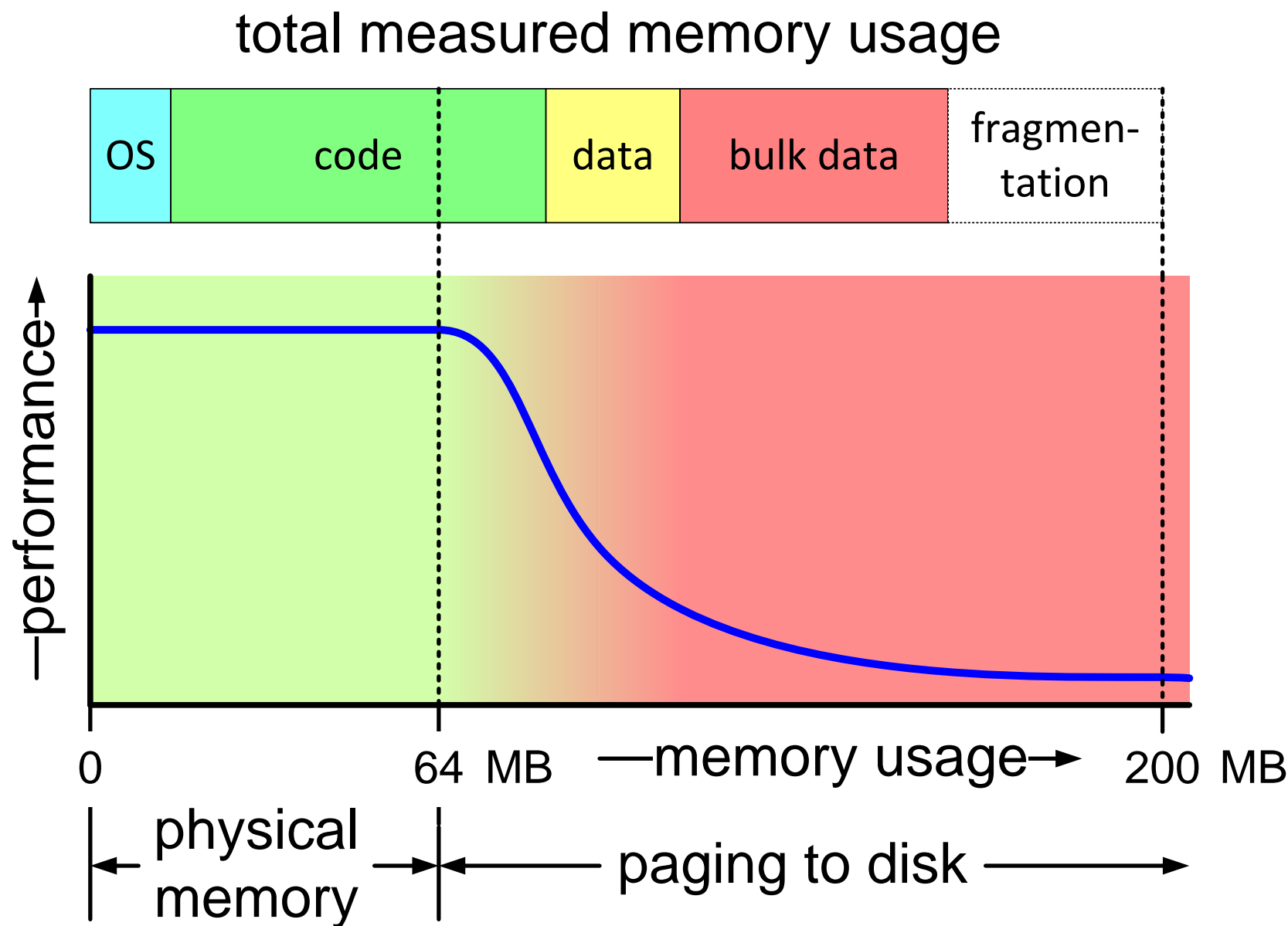
# SW layers 1991



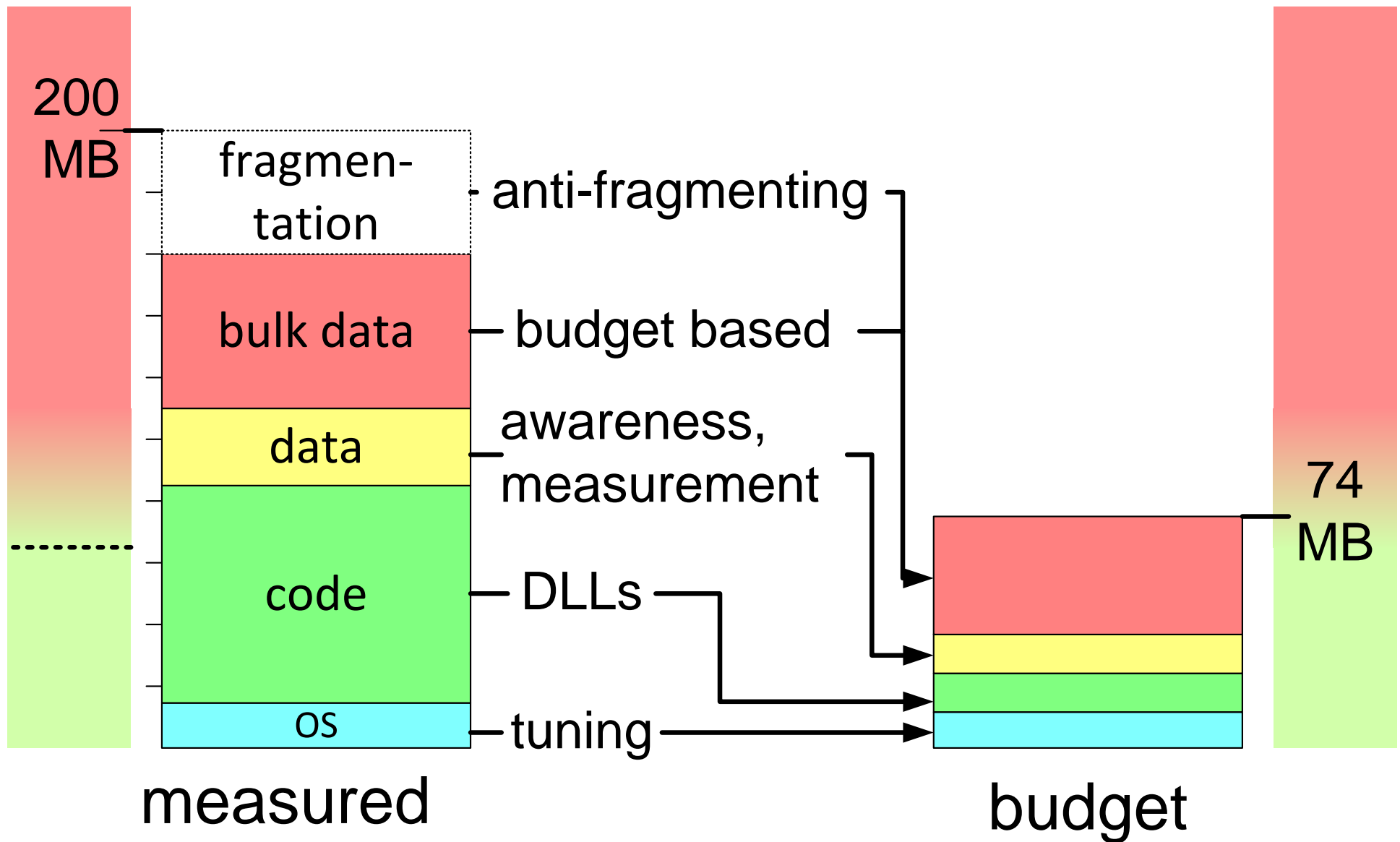
## legend



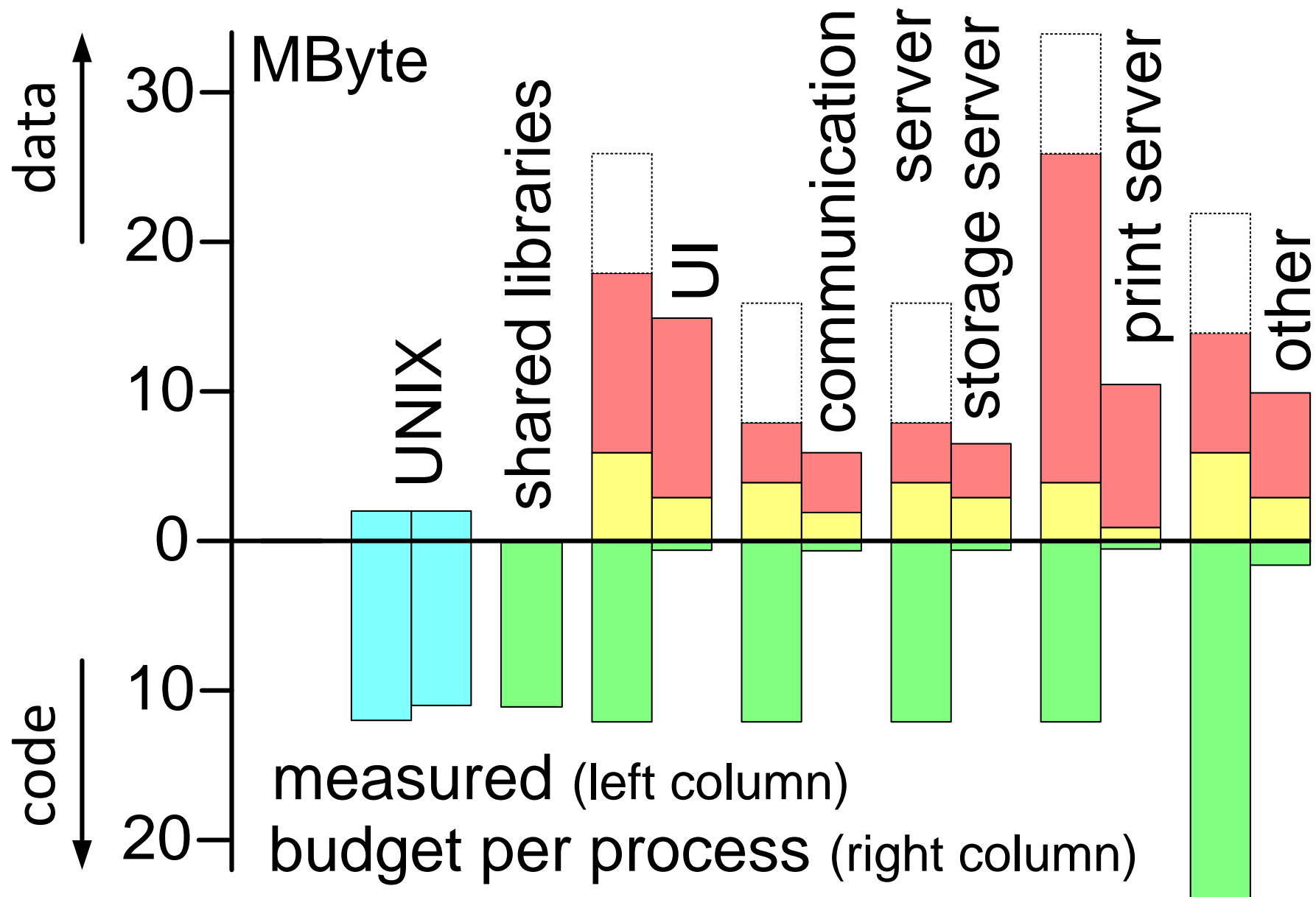
# Memory usage half way R1



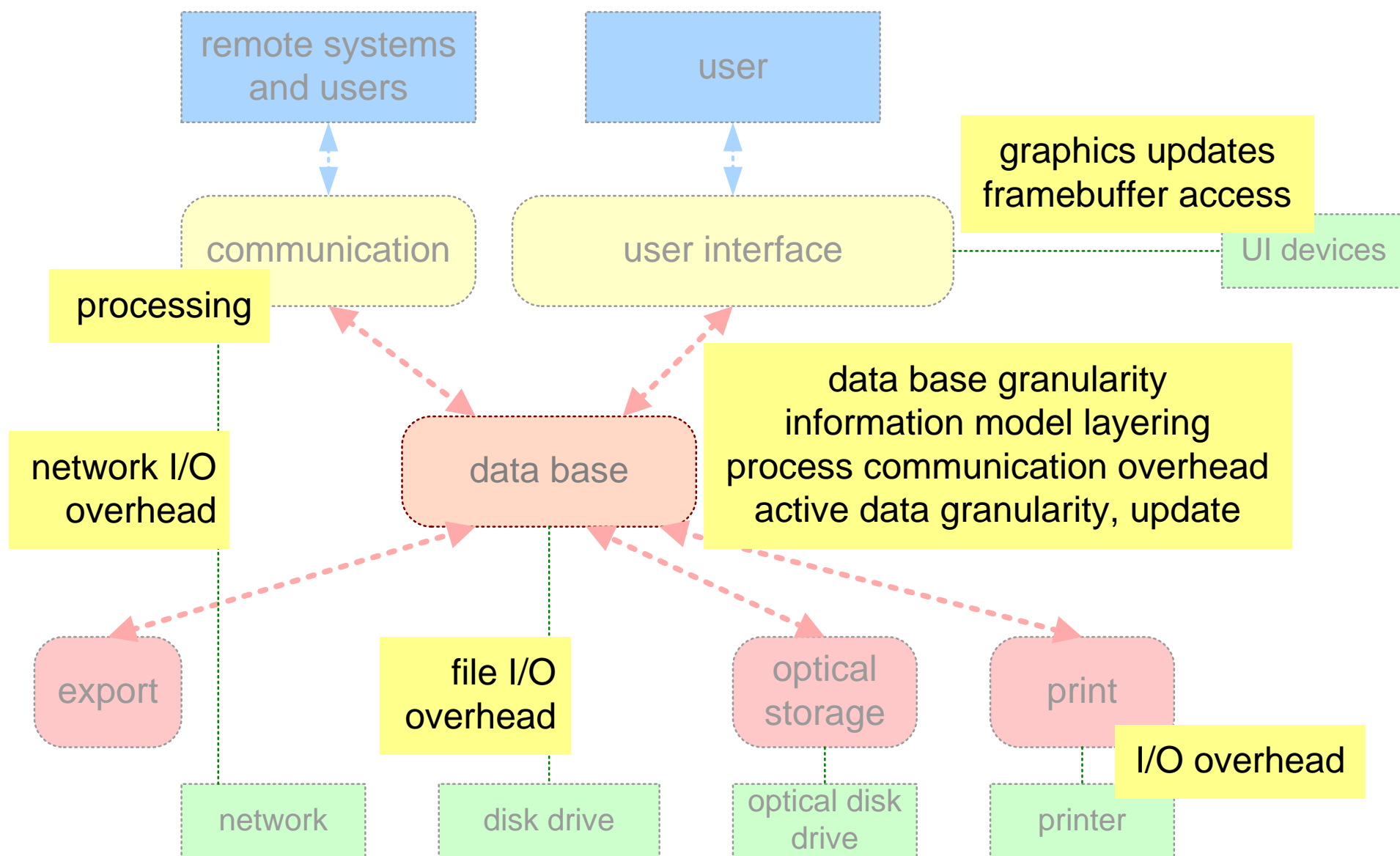
# Solution of memory performance problem



# Visualization memory use per process

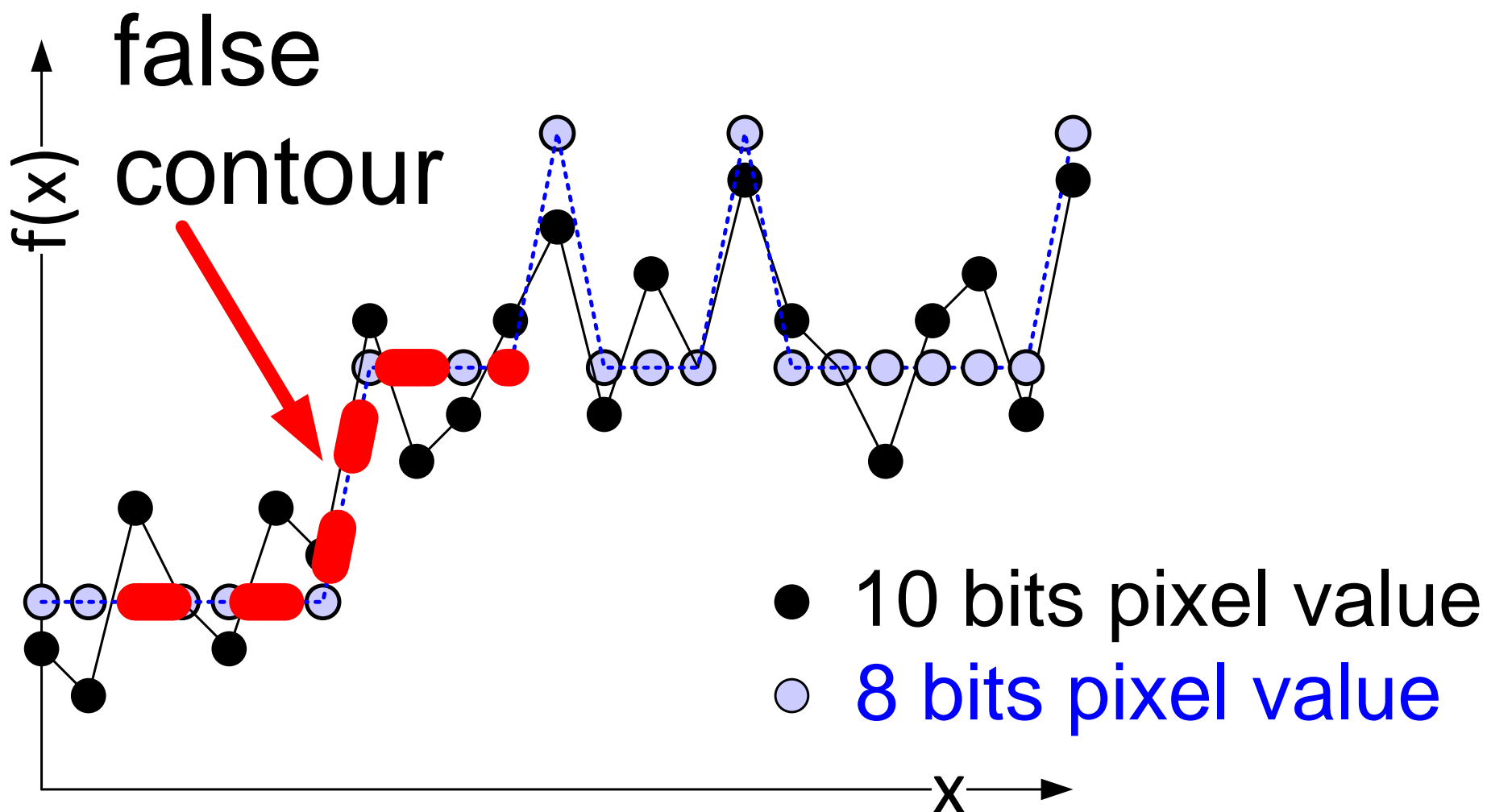


# Causes of performance problems other than memory use

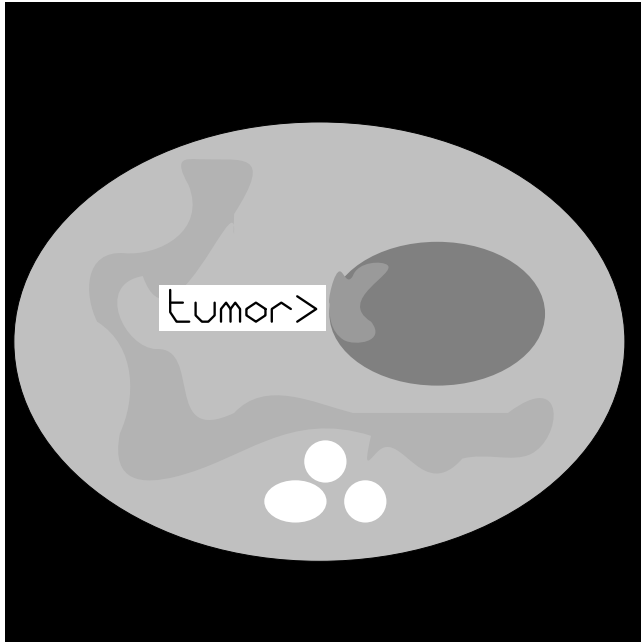




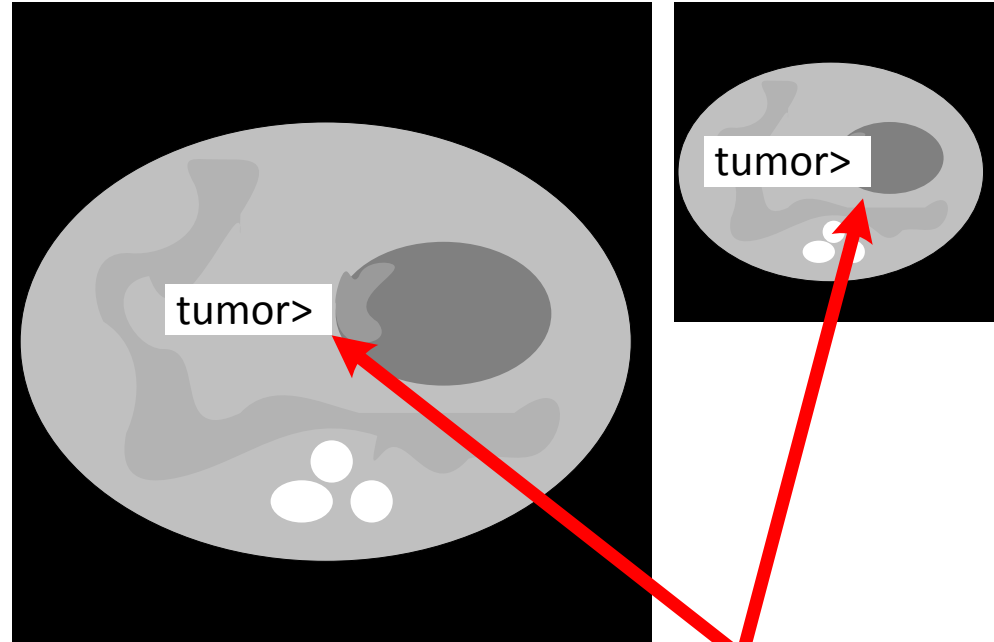
# Image quality and safety problem



# Safety problem



URF monitor output:  
fixed size letters at fixed grid



for user readability the font-size was determined "intelligently"; causing a dangerous mismatch between text and image

EV output: scaleable fonts in graphics overlay