Threads of Reasoning in the Medical Imaging Case

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Abstract

A thread of reasoning is build up in steps and the underlying reasoning is explained.

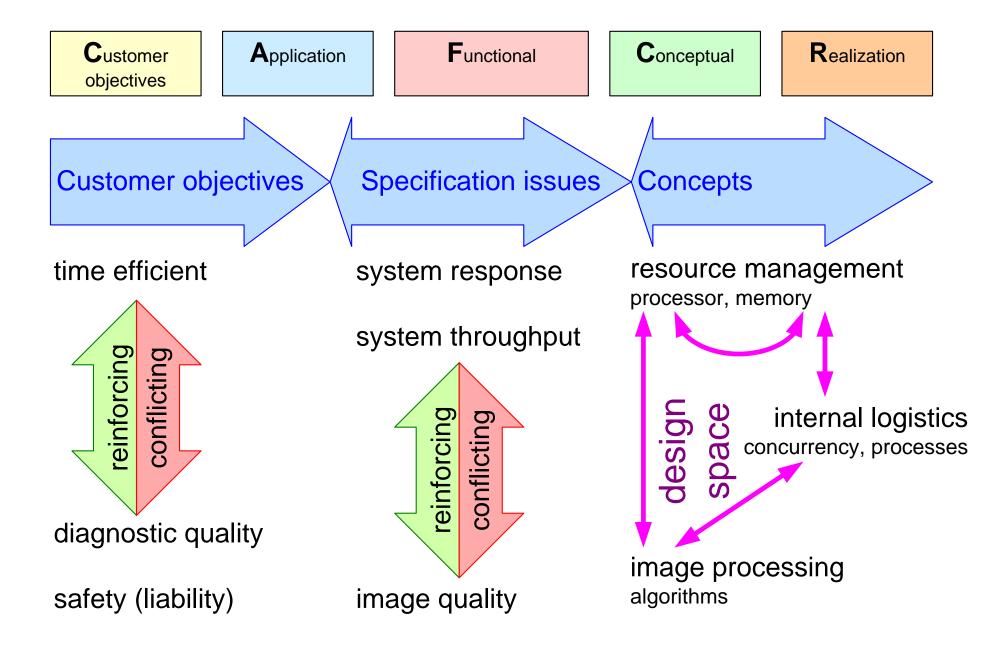
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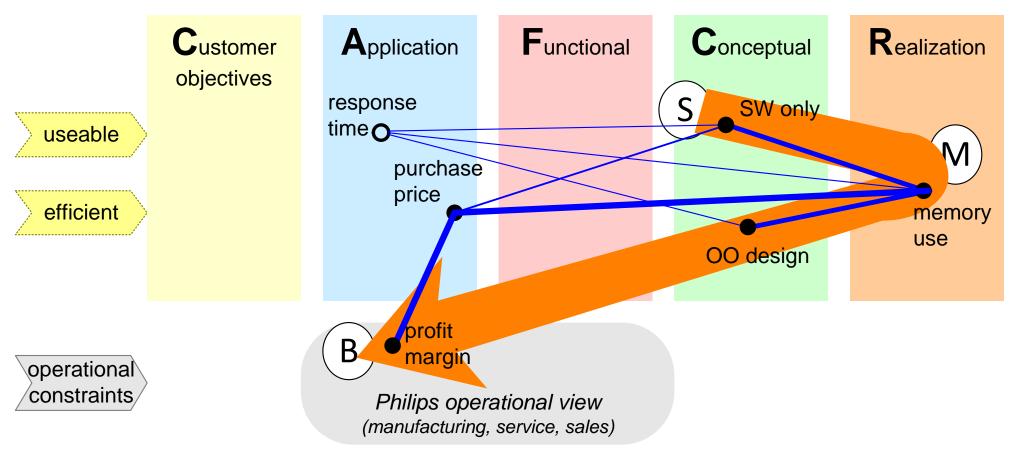


Thread of reasoning based on efficiency-quality tension



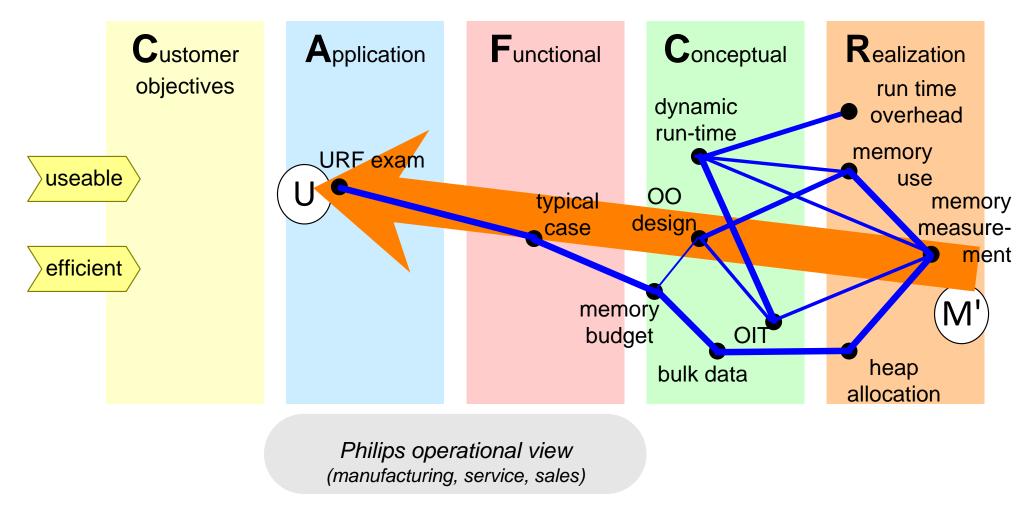


Thread of reasoning; introvert phase



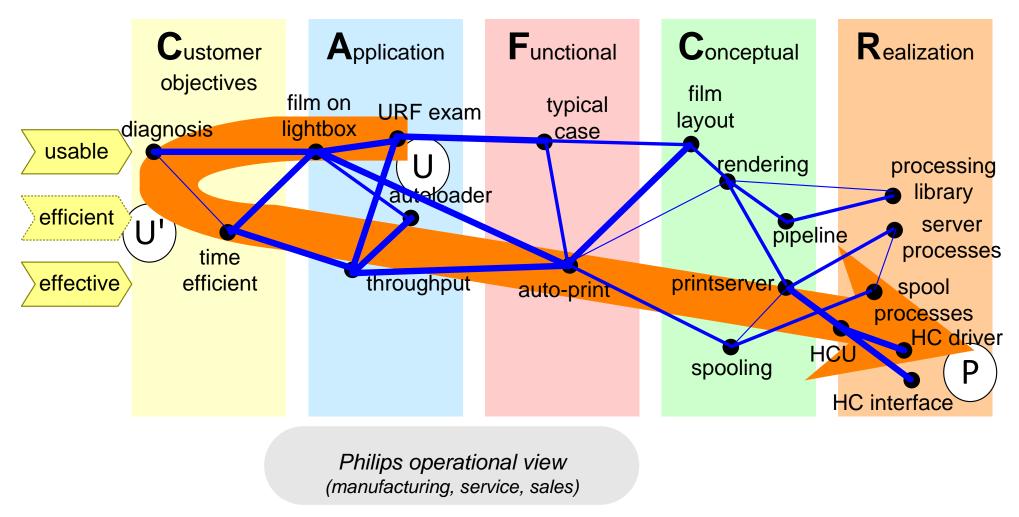
Introvert view: cost and impact of new technologies





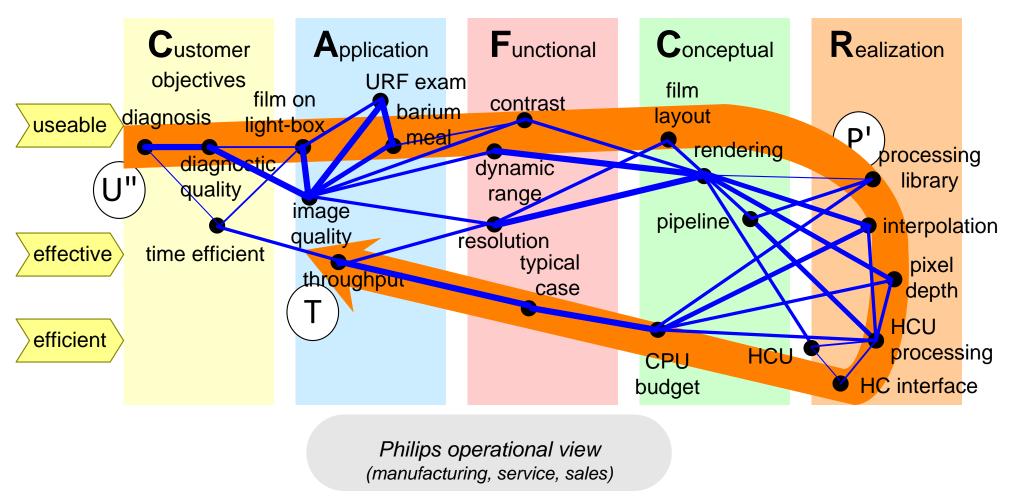
How to measure memory, how much is needed? from introvert to extrovert





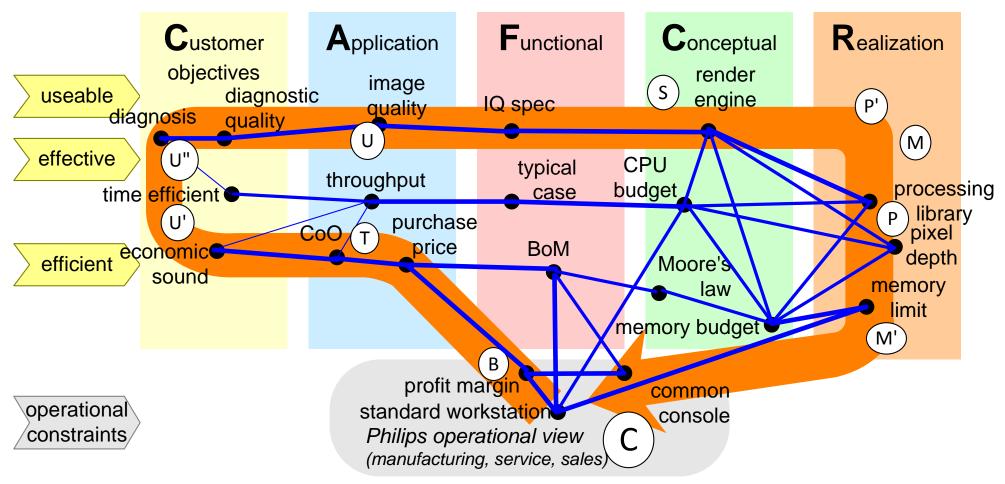
Radiologists diagnose from film, throughput is important Extrovert view shows conceptual and realization gaps!





from extrovert diagnostic quality, via image quality, algorithms and load, to extrovert throughput





cost revisited in context of clinical needs and realization constraints; note: original threads are significantly simplified

