

Hard Real Time Design

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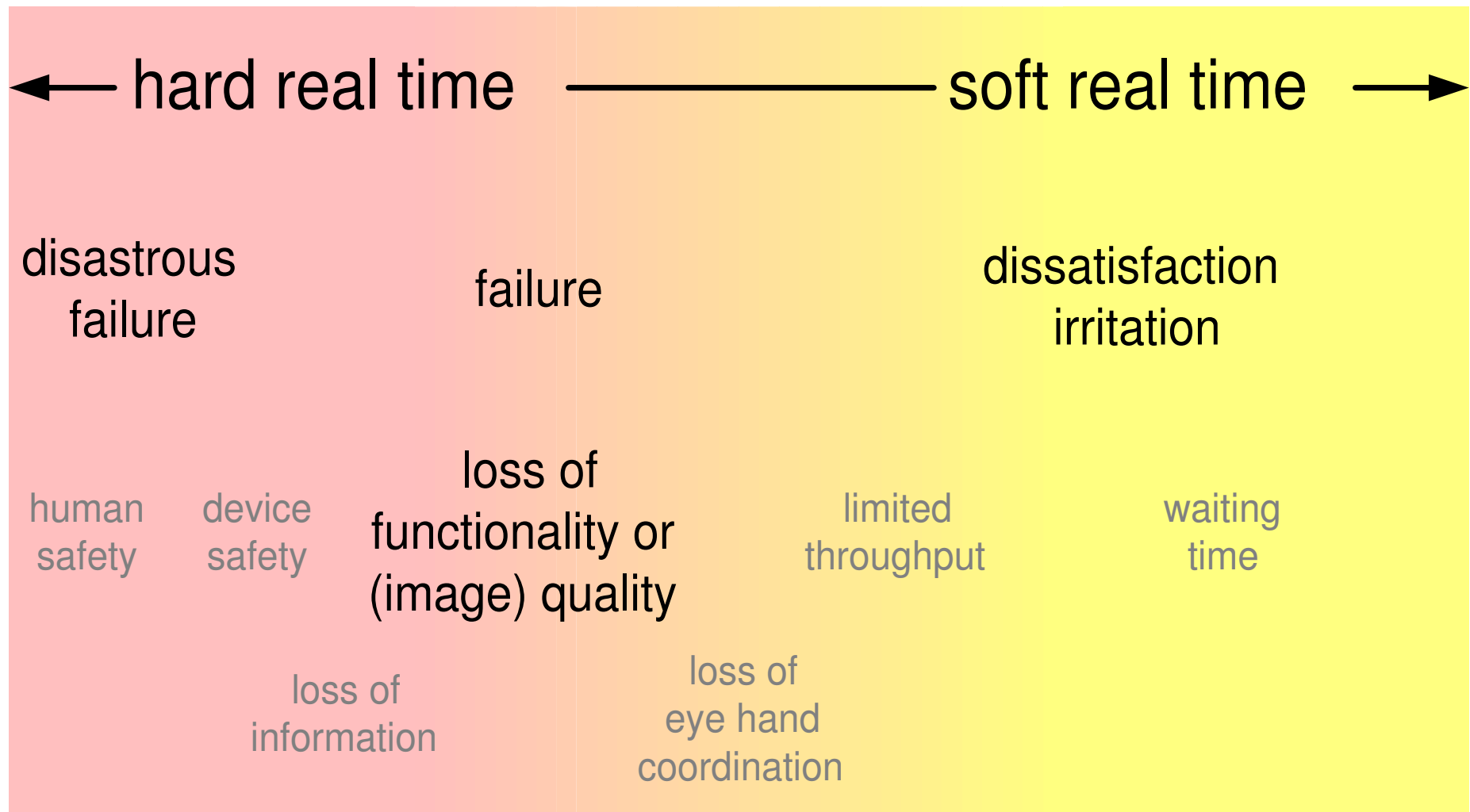
Abstract

Hard Real Time design is the fundament of system performance. We will use a television as case to show hard real time design strategies, starting with a straightforward analog television based on a synchronous design and incrementally extending the television to become a full-fledged digital TV with many concurrent functions.

The complete course ASPTM is owned by Embedded Systems Institute. To teach this course a license from Embedded Systems Institute is required. This material is preliminary course material. The final material and course information can be found at: www.esi.nl/cursus.

February 10, 2011
status: planned
version: 0.2

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The ASP TM course is partially derived from the EXARCH course developed at *Philips CTT* by *Ton Kostelijk* and *Gerrit Muller* .

Extensions and additional slides have been developed at *ESI* by *Teun Hendriks* , *Roland Mathijssen* and *Gerrit Muller* .