Last but not least...

Matching Earliest-Deadline-First performance through deadline-oblivious policies

Andres Ferragut

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Motivation

System model

Performance analysis

Perceived performance

Simulations

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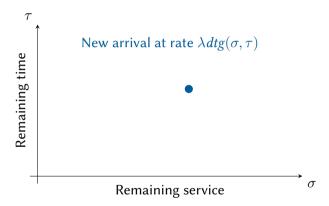
Motivation

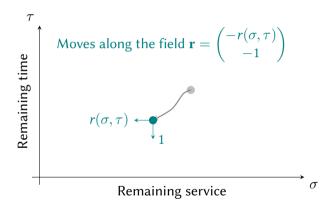
System model

Performance analysis

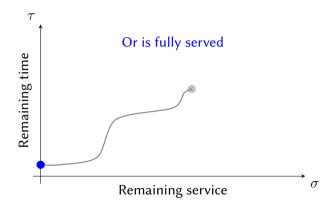
Perceived performance

Simulations







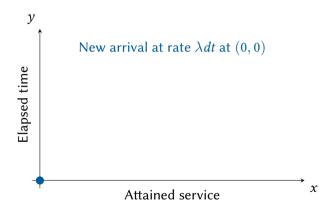


Example

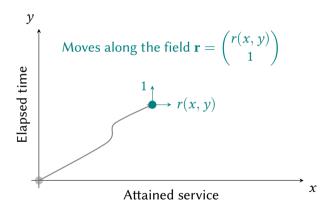
Earliest-deadline-first



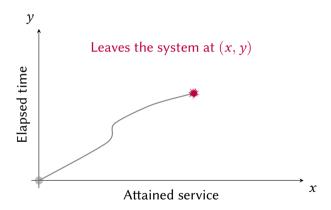
Attained service state descriptor



Attained service state descriptor

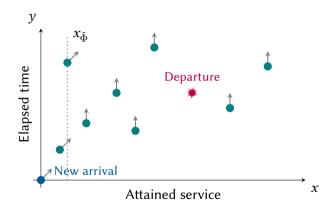


Attained service state descriptor



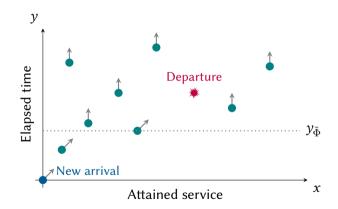
Example

Least-Attained-Service policy



Example

Last-Come-First-Served policy



The hazard rate field

Motivation

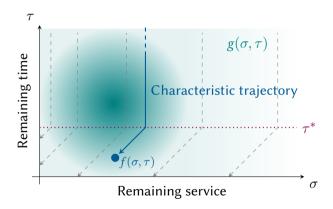
System mode

Performance analysis

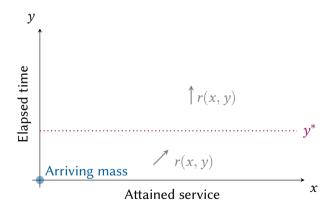
Perceived performance

Simulations

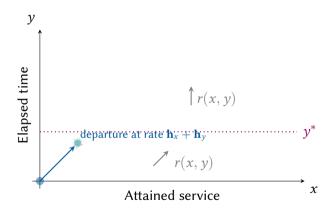
Remaining service case



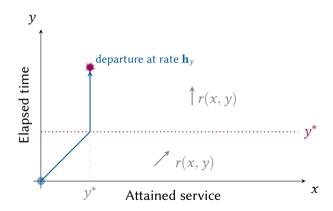
Attained service case



Attained service case



Attained service case



Motivation

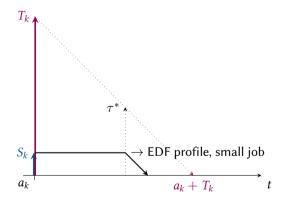
System mode

Performance analysis

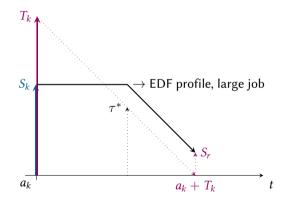
Perceived performance

Simulations

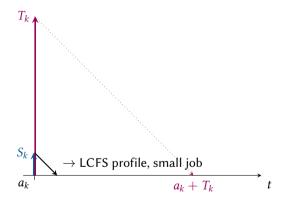
Perceived performance in EDF



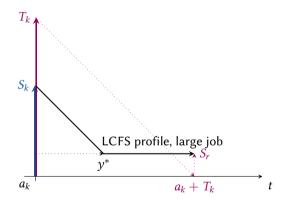
Perceived performance in EDF



Perceived performance in LAS and LCFS



Perceived performance in LAS and LCFS



Motivation

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Final remarks

Merci beaucoup!

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