LIMBO – A Tool for Modeling Variations in Open Workload Arrivals

Jóakim v. Kistowski, Nikolas Herbst, Samuel Kounev

Motivation
• Capture and Describe Load Intensity Profiles
• Create Custom Load Intensities for Open-Workload based Benchmarking

Model Load Intensity Profiles, including Seasonal Patterns, Trends, Bursts, Noise

Descartes Load Intensity Model
• Use piece-wise mathematical functions for accurate Load Intensity Description

High-level Descartes Load Intensity Model
• For easy initial Model Creation using New Model Creation Wizard

Extract Model Instances
• From existing traces
• Using one of multiple Extraction Methods

Generate Request / User Arrival Time Stamps
• From Load Intensity Description
• Use for Open-Workload based Benchmarking
• Combine with JMeter for mixed Workloads

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Chair for Computer Science II, Software Engineering, University of Würzburg

http://descartes.tools/limbo