Commentary:
On-board Timeline Validation and Repair: A Feasibility Study

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The Main Points

• “Timeline Validation, Control, and Repair”:
  – Repairs:
    • plan failure isolation
    • over-subscription
    • under-subscription
  – Detailed simulation model of continuous quantities
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• “Methodological constraints”
  – Plan fragments – task decompositions
  – Ordering constraints
  – Timing constraints – execution windows, or state constraints.
  – Mutex constraints – not resource constraints
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The work described in this paper represents some movement in reconciling the perspectives and techniques of those who agree with the above with those who do not.
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• Where is the boundary between plan repair and planning?

• Is there any better argument for trusted autonomy than “it hasn't broken anything, yet?”