

Revision to MS 2003-37 by Murdoch and Takahara

Responses to the Editor

1. Notation and explanation for ROCFTP

The AE was correct that at this point in the paper we were discussing a discrete time process. The notation was correct, but perhaps unclear. We have expanded the description of step 2 of the algorithm to be explicit that the block consists of T transitions, so there are $T+1$ states $(n-1)T$ through nT involved.

We've added text on p. 6 connecting ROCFTP to the PASTA property to explain the time invariance, and explaining why two coalescence events are required.

2. Clarification on p. 13.

We have reworded the paragraph describing how the rectangles are updated.

3. Figure 3

We have redrawn Figure 3 with the two unsuccessful attempts in dashed and dotted lines.

4. Simplex vs hyperrectangle?

I believe our wording was correct here: the legal states are those for which the system load is bounded, which form a simplex. We extend these to a hyperrectangle by including illegal states in the simulation.

Responses to Associate Editor

1. ROCFTP explanation – addressed above.
2. Thorisson ref – corrected.
3. Typo corrected.
4. We have deleted the formal pseudocode implementation of `GGCcftp`.

5. We have modified the description of the Andradottir et al papers as requested.
6. We have corrected the reference.

Other Changes

Besides those changes, we have added an acknowledgements section.