## Supplement of "Time-Reversibility for Real-Time Scheduling on Multiprocessor Systems"

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## More Evaluation Graphs

Figures 11 and 12 illustrate the ratio of schedulable task sets by RTA<sub>EDF</sub> and TR<sub>EDF</sub>, when we target implicit- and constrained-deadline task sets, respectively. The X-axis and Y-axis of each figure show task set utilization and the ratio of schedulable task sets, respectively. We have two observations: (i) the schedulability improvement is pronounced when task set utilization is middle, and (ii) such behavior holds for all combinations of different m and task types (i.e., either implicit- or constrained-deadline), both of which are compliant with the observations from Section 6.

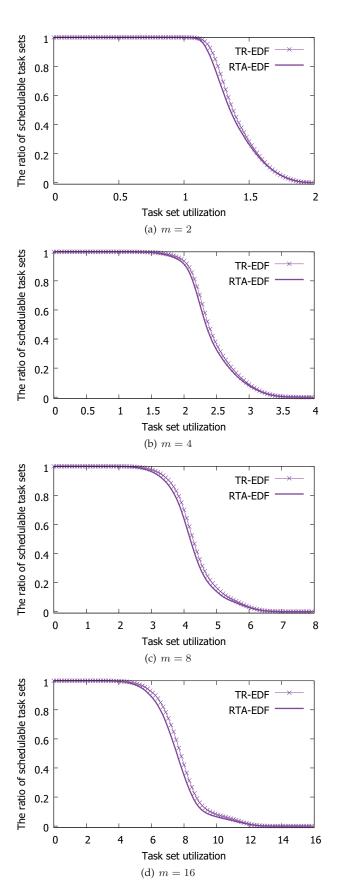


Fig. 11. The ratio of schedulable implicit-deadline task sets by  $\mathrm{TR}_{\mathrm{EDF}}$  and  $\mathrm{RTA}_{\mathrm{EDF}}$ 

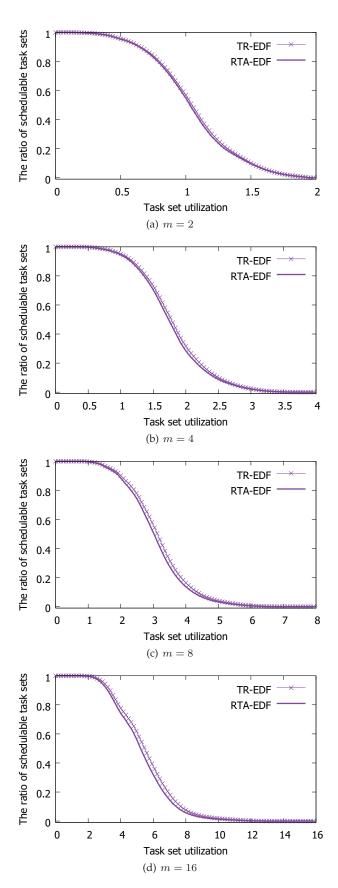


Fig. 12. The ratio of schedulable constrained-deadline task sets by  $\rm TR_{EDF}$  and  $\rm RTA_{EDF}$