

Optimizations of two trees for broadcast, reduce and allreduce MPI Collectives

ABSTRACT

ACM Reference format:

. 2016. Optimizations of two trees for broadcast, reduce and allreduce MPI Collectives. In *Proceedings of ACM Conference, Washington, DC, USA, July 2017 (Conference'17)*, 1 pages.
DOI: 10.1145/nnnnnnnn.nnnnnnn

1 INTRODUCTION

[Jagpreet: Jagpreet: work on introduction on today]

2 PROPOSED TWOTREESIMPLE

[Jagpreet: Mohit: write a quick draft of this section first with figures, I will edit it later]

2.1 Construction

2.2 TwoTreeSimple vs TwoTreeSanders

3 BROADCAST WITH TWOTREESIMPLE

4 REDUCE WITH TWOTREESIMPLE

5 ALLREDUCE WITH TWOTREESIMPLE