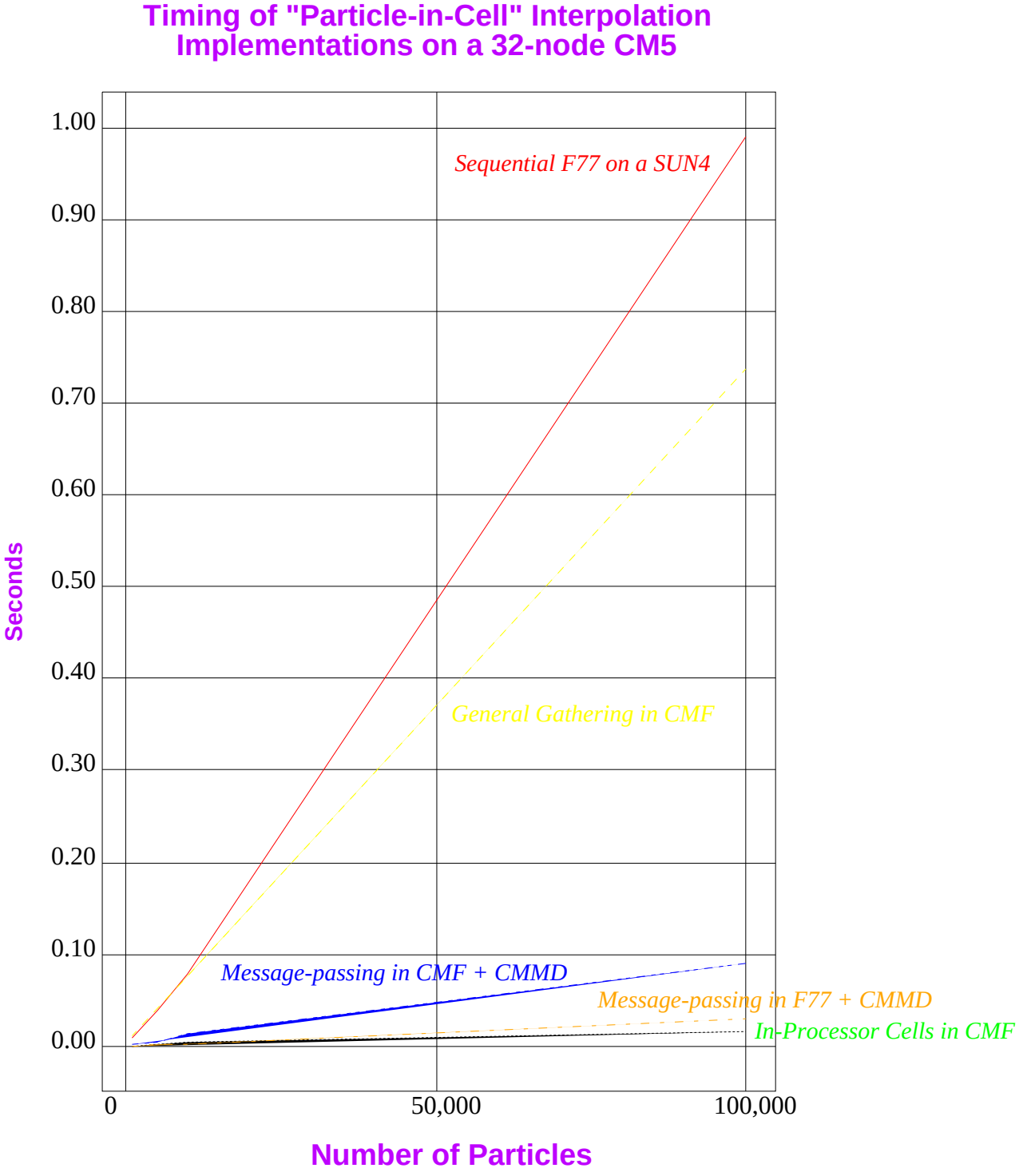
Timing of "Particle-in-Cell" Interpolation Implementations on a 32-node CM5
Seconds
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
0
50,000
100,000
Number of Particles
Sequential F77 on a SUN4
General Gathering in CMF
Message-passing in CMF + CMMD
Message-passing in F77 + CMMD
In-Processor Cells in CMF