



(a) Original



(b) $k = 4$ ($f = 1.29 \times 10^9$; 31 iterations)



(c) $k = 16$ ($f = 3.31 \times 10^8$; 36 iterations)



(d) $k = 64$ ($f = 5.50 \times 10^7$; 59 iterations)



(e) $k = 256$ ($f = 1.52 \times 10^7$; 104 iterations)