ERRATA: Introduction to Parallel Computing (Second Printing)

Last modified on September 8, 1994

Chapter 2

1. In the caption of Figure 2.26 on page 47, P_0 to P_3 should read P_0 to P_4.
2. The correct entry for the bibliographic citation [GK93] appearing on pages 62 and 147 is as follows:

   A. Gupta and V. Kumar. The scalability of FFT on parallel computers. *IEEE Transactions on Parallel and Distributed Systems*, 4(8):922–932, August 1993. A detailed version available as Technical Report TR 90-53, Department of Computer Science, University of Minnesota, Minneapolis, MN.

Chapter 3

1. Lines 3 and 4 of Program 3.5 on page 83 should read $left := my\_id - (my\_id \mathrm{mod} \sqrt{p}) + (my\_id - 1) \mathrm{mod} \sqrt{p}$; and $right := my\_id - (my\_id \mathrm{mod} \sqrt{p}) + (my\_id + 1) \mathrm{mod} \sqrt{p}$; respectively.

Chapter 5

1. The last two sentences of the first paragraph on page 178 should read as follows: "The isoefficiency function is $\Theta(p(\log p)^3)$. The parallel system is cost-optimal for $n^3 = \Omega(p(\log p)^3)$, or $p = O(n/(\log n)^3)$."
2. In the last sentence of the last complete paragraph on page 180, $k \times k$ should read $(n-k) \times (n-k)$.

Chapter 7

1. In the second line of the last paragraph on page 257, "$i = 0, 2, \ldots, k-1$" should read "$i = 0, 1, 2, \ldots, k-1$."

Chapter 8

1. In Figure 8.5(c) on page 307, the box labeled 21 to the right of the shaded box labeled 18 should not be there.

Chapter 11

1. In Equation 11.5 and in the first sentence following Equation 11.5 on page 418, $4t_w$ should be $2t_w$.
2. At the beginning of the R. H. S. of Equation 11.20 on page 433, $(i - \omega)$ should read $(1 - \omega)$.