

Correction

“A Fast Parallel Algorithm for the Poisson Equation on a Disk,” *J. Comp. Phys.*, 169, pp. 151–192, 2001.

The following typos in the reprint of the above paper should be corrected.

1. In step 5 of the Algorithm 3.1 on page 157 of the article, the formula for $v_0(r_l)$ for $l = 1$ should not have the term $\log r_l$. The correct form of the step 5 is as follows:

Combine coefficients v_n^+ and v_n^- as defined in (15) and (17):

For $l = 1, \dots, M$

$$v_0(r_l) = \begin{cases} v_0^-(r_l) + v_0^+(r_l); & \text{if } l = 1; \\ \log r_l \, v_0^-(r_l) + v_0^+(r_l); & \text{if } l \neq 1 \end{cases}$$

$$v_n(r_l) = \overline{v_{-n}(r_l)} = v_n^-(r_l) + \overline{v_{-n}^+(r_l)}, \quad n \in [-N/2, -1]$$

2. In step 6 of the Algorithm 3.1 on page 157 of the article, “For $l = 2, \dots, M$ ” should be corrected as “For $l = 1, \dots, M$ ”. Note that l now starts from 1.