

CORRECTION

LOCALLY LATTICE SAMPLING DESIGNS FOR ISOTROPIC RANDOM FIELDS

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In the limiting variance given in the statement of Theorem 1, $\phi(x)$ should be raised to the $-p/2$ power, not the $-p$ power as is incorrectly given in the paper. More specifically, the displayed equation in Theorem 1 should read

$$g(N_n^{1/2})^{-1} \operatorname{var} \left(\int_G v(x) Z(x) dx - \hat{Z}_n \right) \\ \rightarrow (2\pi)^{2-p} \int_G v(x)^2 \phi(x)^{-p/2} dx \sum_K' |MK|^{-p}.$$

Similarly, on pages 2000 and 2001, there are several instances where $\int_G v(x)^2 \phi(x)^{-p} dx$ should be replaced by $\int_G v(x)^2 \phi(x)^{-p/2} dx$ and in (3.11), $\{r_J^{-1} \int_{R_J} \phi(x) dx\}^p$ should be $\{r_J^{-1} \int_{R_J} \phi(x) dx\}^{-p/2}$. As a consequence of this error in Theorem 1, the optimal density function ϕ_0 is incorrectly given in (4.1). Instead, (4.1) should read $\phi_0(x) = |v(x)|^{4/(p+2)} / \int_G |v(y)|^{4/(p+2)} dy$ and the last displayed equation on page 2002 should read $\int_G v(x)^2 dx / \{\int_G |v(x)|^{4/(p+2)} dx\}^{(p+2)/2}$. Finally, (3.1) should read

$$m_J = \left[w_n \left\{ \frac{n}{r_J} \int_{R_J} \phi(x) dx \right\}^{1/2} \right].$$

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