Errata

Research on the Validity of using Nayak’s Theory for Summit Parameters of Discrete Isotropic Gaussian Surfaces

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There was an error in the formula (8) on page 127.

P127, Eq. (8)

\[ p_{SCM}(\xi^*) = \frac{\sqrt{3}}{2\pi} \left\{ \exp\left(-c_{1}\xi^{*2}\right) \left[ \frac{3(2\alpha - 3)}{\alpha^2} \right]^{\frac{1}{2}} \xi^* + 
\right. \\
\left. + \frac{3\sqrt{2\pi}}{2\alpha} \exp\left(\frac{1}{2}\xi^{*2}\right) \left(1 + \text{erf} \beta'\right) (\xi^{*2} - 1) \\
\right. \\
\left. + \sqrt{2\pi} \left[ \frac{\alpha}{3(\alpha - 1)} \right]^{\frac{1}{2}} \exp\left(\frac{-\alpha}{2(\alpha - 1)}\right) (1 + \text{erf} \gamma) \right\} 
\]

should be

\[ p_{SCM}(\xi^*) = \frac{\sqrt{3}}{2\pi} \left\{ \exp\left(-c_{1}\xi^{*2}\right) \left[ \frac{3(2\alpha - 3)}{\alpha^2} \right]^{\frac{1}{2}} \xi^* + 
\right. \\
\left. + \frac{3\sqrt{2\pi}}{2\alpha} \exp\left(\frac{1}{2}\xi^{*2}\right) \left(1 + \text{erf} \beta'\right) (\xi^{*2} - 1) \\
\right. \\
\left. + \sqrt{2\pi} \left[ \frac{\alpha}{3(\alpha - 1)} \right]^{\frac{1}{2}} \exp\left(\frac{-\alpha}{2(\alpha - 1)}\right) (1 + \text{erf} \gamma) \right\} 
\]