## Section 12. Probability and Statistics

# Lattice Point Problems and the Central Limit Theorem in Euclidean Spaces

cf. Vol. III, p. 245–255

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## Errata

1) Replace in formula (1.2) $\exp\{-\frac{v}{2}\}$ by $\Gamma(\frac{d}{2}+1)(\frac{v}{2})^{\frac{d}{2}} \exp\{-\frac{v}{2}\}$.

2) On the same page replace line 14–16 from bottom by:
... values in the interval $[0, n-1]$ with probability $c > \chi(1)/2,\ n > n_0$. Thus there exists an integer $j$ such that

$$\mathbf{P}\{T_n = j\, n^{-1}\} \geq c\, n^{-1}.$$

3) In the display formula after (5.6) replace $\kappa = c_2\delta^{-4/d}$ by $\kappa = c_2\delta^{4/d}$.

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