Correction to "Rayleigh Fading Multi-Antenna Channels"

Alex Grant

*Institute for Telecommunications Research, University of South Australia, Mawson Lakes Boulevard,
Mawson Lakes, SA 5095, Australia*
Email: alex.grant@unisa.edu.au

Equation (7) in [1] should be

$$
\begin{aligned}
C(\gamma, t, r) &= \mathrm{E}\left[\, \log \det\left(\mathbf{I} + \frac{\gamma}{t}\mathbf{H}\mathbf{H}^*\right)\right]\\
&= \frac{m!}{(n-1)!}\int_0^\infty \log\left(1 + \frac{\gamma}{t}x\right)e^{-x}x^{n-m}\\
&\quad \times \left[L_{m-1}^{n-m}(x)L_{m-1}^{n-m+1}(x) - L_{m-2}^{n-m+1}(x)L_m^{n-m}(x)\right]dx.
\end{aligned}
\tag{7}
$$

ACKNOWLEDGMENT

REFERENCES

[1] A. Grant, "Rayleigh fading multi-antenna channels," *EURASIP Journal on Applied Signal Processing*, vol. 2002, no. 3, pp. 316–329, 2002.