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Corrections to "Bit-interleaved coded modulation in the wideband regime"

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In [1], the wideband regime of bit-interleaved coded modulation (BICM) in Gaussian channels was studied. The expressions derived therein characterize the suboptimality of BICM in the wideband regime. While the analysis and main results of [1] are fully valid, the following corrections apply.

1) Before (11), Theorem 12 of [2] is cited. The correct citation is [3, Th. 6].
2) In Appendix C, the exponents of the form $2 + \alpha$ should read $4 + \alpha$.
3) *Corollary 4* should read *Corollary 3*.

REFERENCES

[1] A. Martinez, A. Guillén i Fàbregas, and G. Caire, "Bit-interleaved coded modulation in the wideband regime," *IEEE Trans. Inf. Theory*, vol. 54, no. 12, pp. 5447–5455, Dec. 2008.

[2] S. Verdú, "Spectral efficiency in the wideband regime," *IEEE Trans. Inf. Theory*, vol. 48, no. 6, pp. 1319–1343, June 2002.

[3] V. V. Prelov and S. Verdú, "Second-order asymptotics of mutual information," *IEEE Trans. Inf. Theory*, vol. 50, no. 8, pp. 1567–1580, Aug. 2004.

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