

Erratum:

A New Direct-Sequence Spread Spectrum Signal Detection Method for Underwater Acoustic Communications in Shallow-Water Channel (DOI: 10.21008/j.0860-6897.2021.1.06)

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In the paper the author erroneously described in section 2, that both detection algorithms used in simulation and experimental tests (algorithm A and algorithm B) detect information that on the transmitting side has been transformed into the constellation symbols $\{-1, 1\}$ in differential way. This only applies to algorithm B. Algorithm A, described in subsection 2.1, detects information under assumption, that on the transmitting side, if the information bit is equal to 1, then the BPSK constellation point is equal to 1, otherwise the constellation point is equal to -1. Algorithm B, described in subsection 2.2, works under the assumption that if the current information bit on the transmitting side is the same as the previous one, then it corresponds to the constellation point equal to -1, otherwise – to the constellation point equal to 1.