

Forschungspraxis

Coding for binary-adder channel

The student is asked to understand the achievable rates via linear codes for 2-user binary adder channel (see, e.g., [1]) for an unsourced scheme [2], i.e., if the codebook for both users are the same. Then, the results should be compared to simulations employing a polar coding scheme [3].

[1] <https://ieeexplore.ieee.org/document/1055529>

[2] <https://ieeexplore.ieee.org/document/8006984>

[3] <https://ieeexplore.ieee.org/document/6532306>

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