

Revisiting Product Codes

Muriel Médard

MIT

Product codes are inherently capacity-achieving, modular, flexible in their construction, and highly parallelizable in their decoding, yet have garnered less attention than other codes such as low-density parity-check codes. In this talk, we review how recent results in estimating decoding accuracy (soft output) allow accurate iterative decoding of product codes with attractive properties in terms of error performance and number of iterations in decoding. Joint work with Ken Duffy, Sarah Khalif

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