

# EECE 580B

## Modern Coding Theory

### Low-Density Parity-Check Codes

#### (3) Decoding over BEC

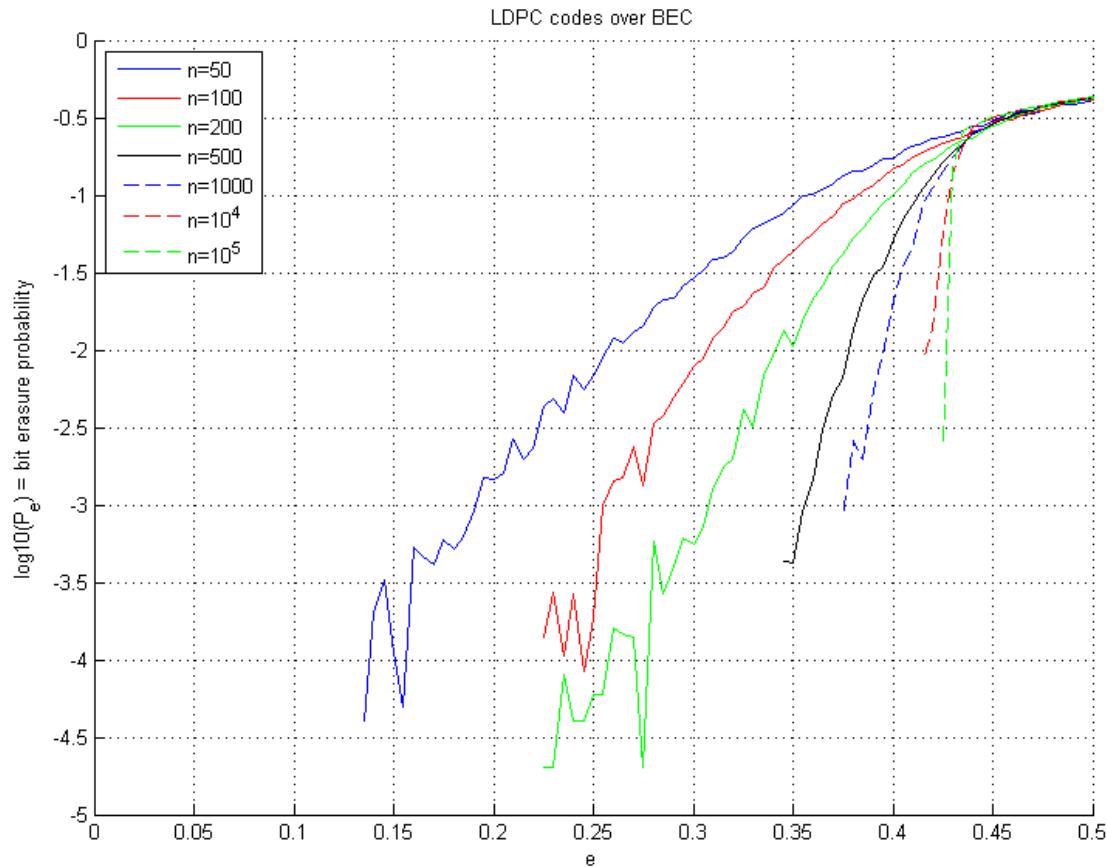
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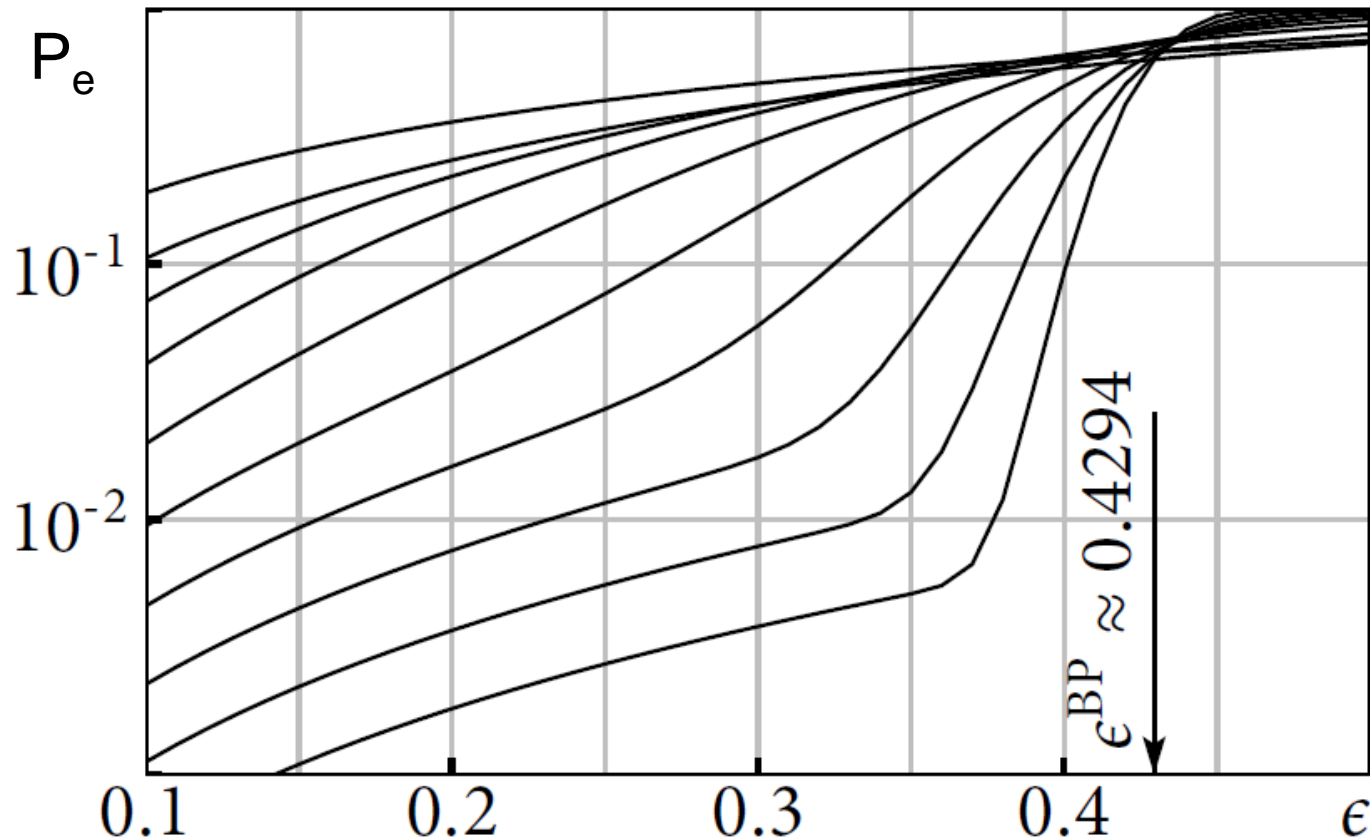
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# Experimental Results for (3,6) Regular LDPC code





# Typical Bit Erasure Probability $P_e$ for (3,6) Regular LDPC Code



Typical behavior of (3,6) regular LDPC code of lengths  $n = 2^1, 2^2, \dots, 2^{10}$ .