

# RS Codes

- A  $t$ -error-correcting RS code has the following parameters
  - Block length  $n = 2^m - 1$
  - Message size  $k$  symbols
  - Parity-check size  $n - k = 2t$  symbols
  - Minimum distance  $= 2t + 1$
- Example RS(7,4) with  $m=3$  bits

# Rs Codes Ppt

**SJ Ball**



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