Quantization Error
$$C_{k^*}$$
: closest codeword to Z $Z_q = Z + \|Z - C_{i^*}\| \cdot \frac{v}{\|v\|}$ $V \sim \mathcal{N}(0,1)$ Encoder $Z_q = Z_q = Z_q$ Decoder $Z_q = Z_q = Z_q = Z_q$