

Alice

$$\vec{X}_A \in \mathbb{R}^n$$

Normalization

$$\vec{X}'_A \in \mathbb{R}^n$$

Mapping function

$$\vec{e} \in \mathbb{F}_2^n$$

Decoder

$$\vec{u}' \in \mathbb{F}_2^n$$

Estimated bits

Bob

$$\vec{X}_B \in \mathbb{R}^n$$

Normalization

$$\vec{X}'_B \in \mathbb{R}^n$$

Mapping function

$$\vec{c} \in \mathbb{F}_2^n$$

Encoder

$$\vec{u} \in \mathbb{F}_2^n$$

QRNG

$$M(\vec{X}'_B, \vec{c})$$

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