

Free-space Chaos Communication Using LEDs

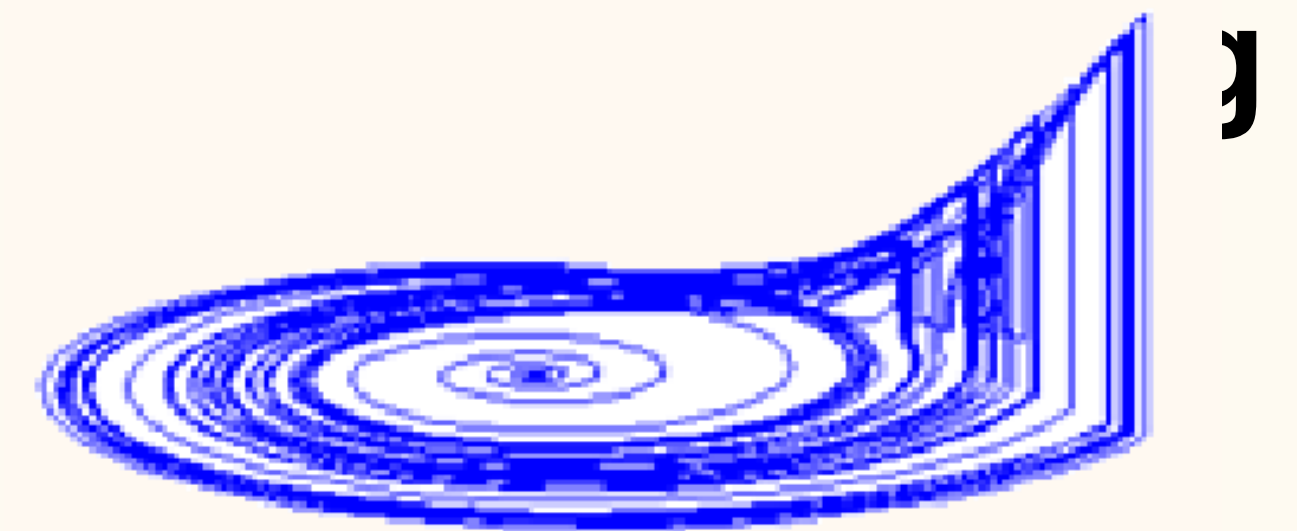
光混沌空間通訊

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Background

Chaos has a noise-like characteristic which can be used

- Applicable – electrical /optical channel
- High security – good signal masking
- Recoverable – raw signal recovery

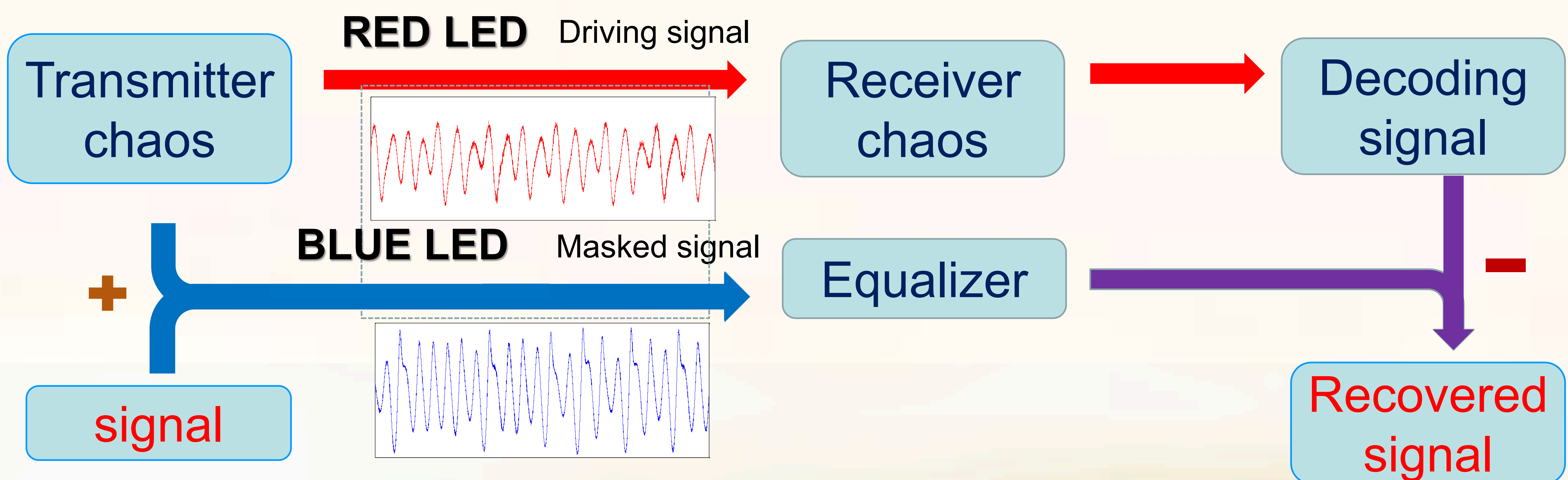


Objective

- To recover the original signal in chaos through optical channel in free-space

Methodology

Chaos synchronization



Results

10kHz sine wave recovery

