

# Matlab code for phase retrieval with random phase illumination

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March 4, 2014

## 1 Functions

1. **Main:** the main function where images, random phase/uniform illuminations and Fourier intensity measurements are generated.
2. **HIOER:** the function of realizing Hybrid Input Output (HIO) followed by Error Reduction (ER).
3. **ER:** the function of realizing pure ER.

## References

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