Deep Accelerated Signal Processing (Week 6)

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Progress

Modified different parts of the neural network to improve performance

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- Loss function

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- Initialization of ζ_k and η_k

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The resulting model was numerically stable and showed fast convergence

Performance Comparison

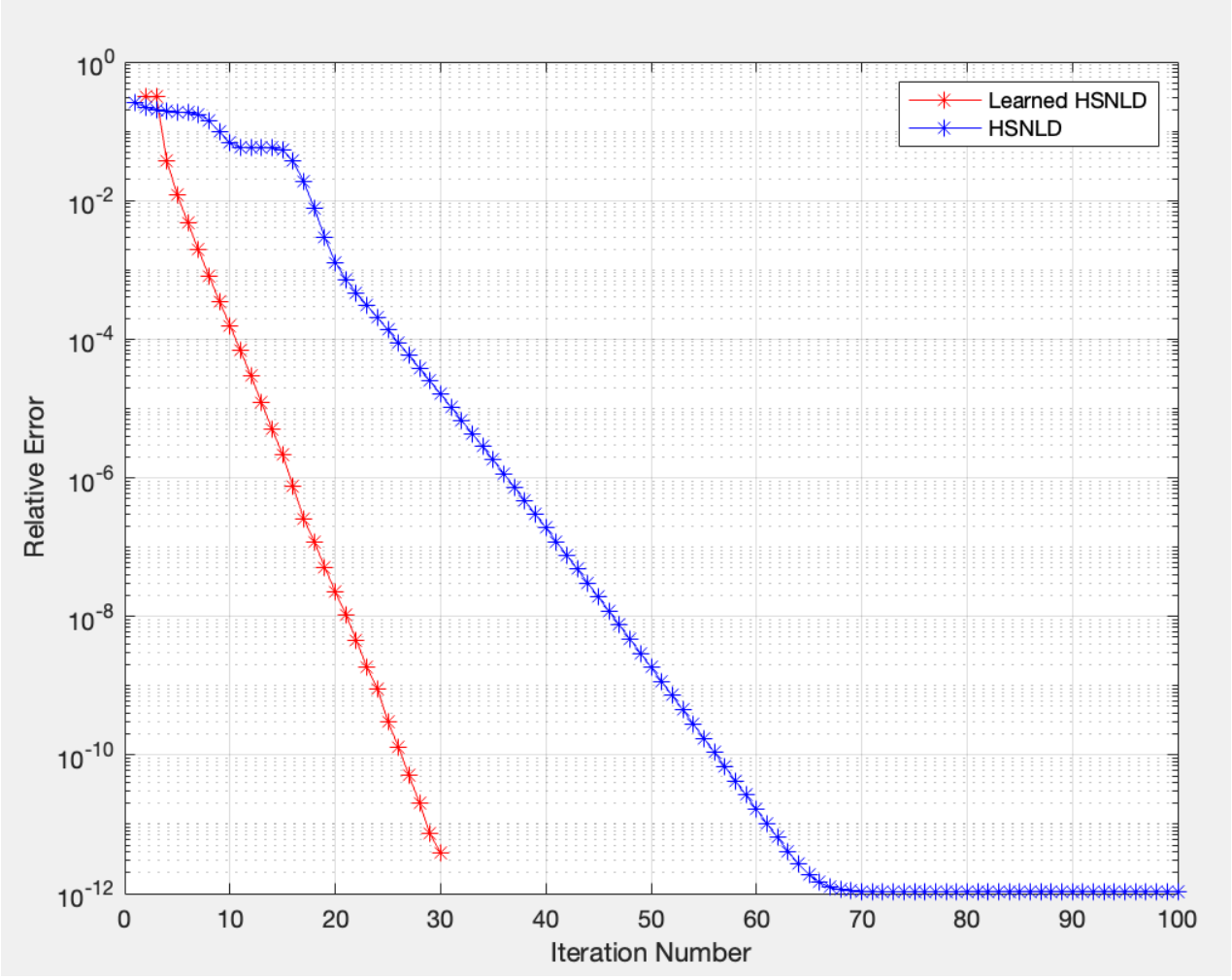


Figure: Comparison between Learned HSNLD and unlearned HSNLD on fully observed Hankel matrix with $n = 8191$, outlier rate $\alpha = 0.2$

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Once performance on the fully established case is optimized, I will move onto the partially observed case

Thank You!

Questions?