

# Multiuser Channel Estimation: Simulation Results

## 1 Comparison FFBS and PGAS

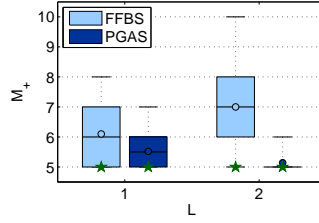


Figure 1: Inferred number of transmitters for FFBS and PGAS methods.

## 2 Simulation Results

Differences with respect to EUSIPCO simulations: (i) Observation period  $T = 1000$  instead of 500, and (ii) burst length of 500 time instants, instead of being random with mean value 250.

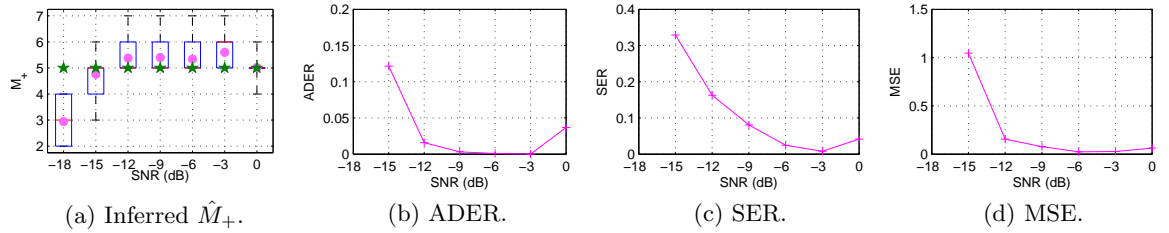


Figure 2: Results for different SRNs ( $L = 1$ ).

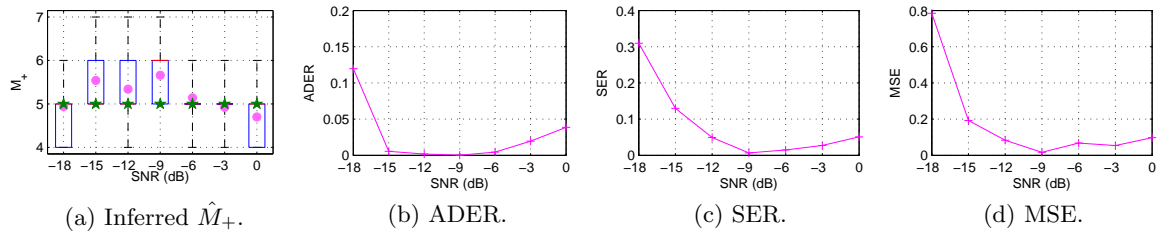


Figure 3: Results for different SRNs ( $L = 3$ ).

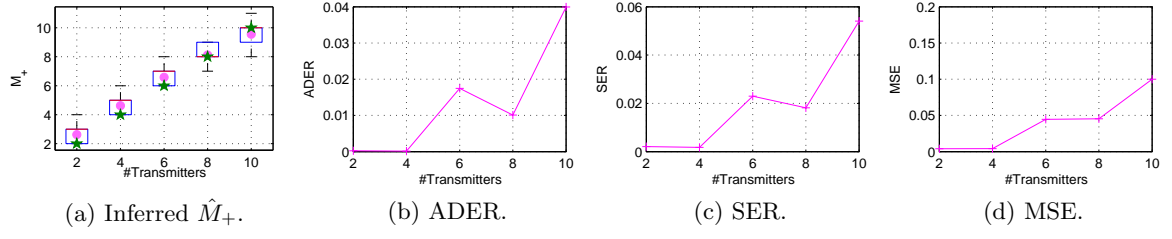


Figure 4: Results for different number of transmitters ( $L = 1$ ).

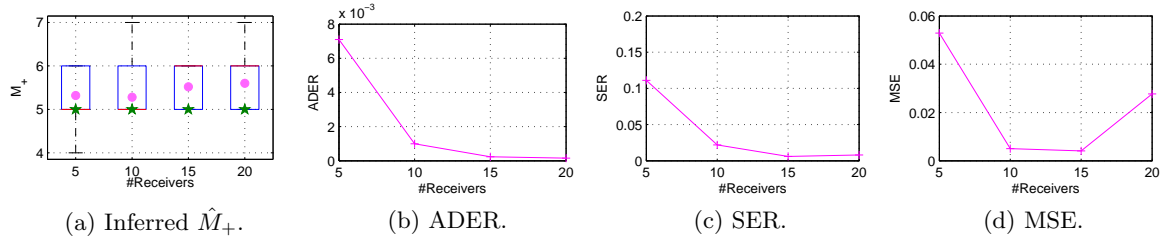


Figure 5: Results for different number of receiving antennas ( $L = 1$ ).

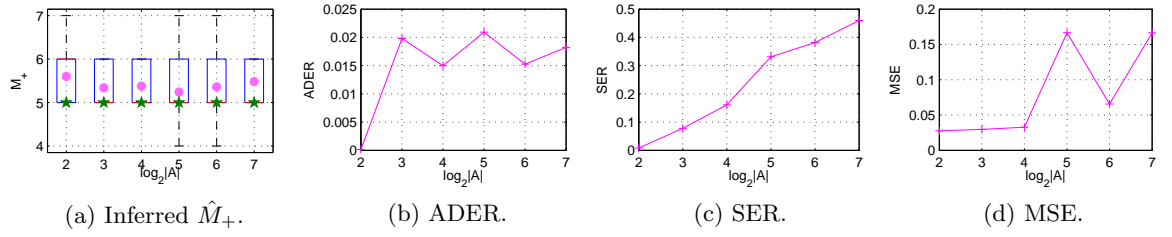


Figure 6: Results for different constellation order ( $L = 1$ ).

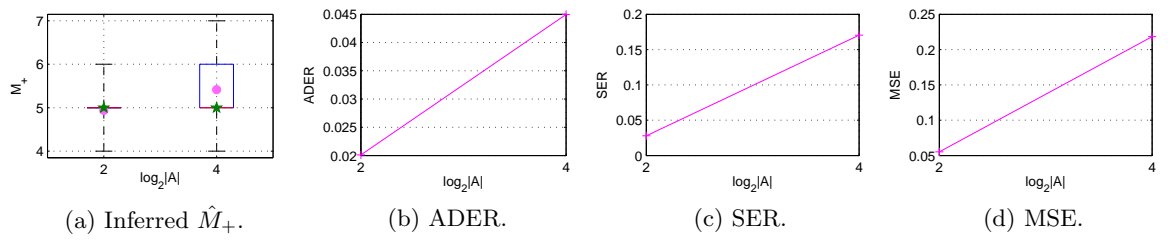


Figure 7: Results for different constellation order ( $L = 3$ ).