



Figure 1: Comparison of the CDF method with nonuniform quantization: (a) Histogram of exponentially distributed input source  $x[n]$ , (b) corresponding quantization error  $e_q[n]$  via Lloyd Max quantization (c) histogram of  $x_q[n]$  from the CDF method, (d) corresponding output quantization error  $e_{\text{out}}[n]$