

MSE-Optimal Scalar Quantizers

densities and quantizers are symmetric about the origin, and densities have variance 1
 data taken from Jayant and Noll, p. 134,135

rate =	1		2		3		4												
	thresh	level	thresh	level	thresh	level	thresh	level											
u n i f o r m	0.000	0.8660	0.000	0.433 0.866 1.299	0.000	0.217 0.433 0.650 1.083 1.299 1.516	0.000	0.109 0.217 0.326 0.433 0.542 0.759 0.975 1.192 1.408 1.624											
	MSE =		0.25		0.0625		0.0156		0.00391										
	G a u s s i a n		0.000		0.798		0.000		0.453 0.982 1.510	0.000	0.245 0.501 0.756 1.050 1.344 1.748 2.152	0.000	0.128 0.258 0.388 0.657 0.942 1.256 1.618 2.069 2.733						
			MSE =				0.363			0.117		0.0345		0.00951					
			L a p l a c i a n				0.000			0.707		0.000		0.420 1.127 1.834	0.000	0.233 0.533 0.833 1.253 1.673 2.380 3.087	0.000	0.124 0.264 0.405 0.729 1.111 1.578 2.178 3.017 4.432	
							MSE =					0.500			0.176		0.0544		0.0154