Testing Powers of All Local Tests of mcorr for Increasing Dimension 1.Linear 2.Cubic 3.Step Function 4.Exponential **5.Joint Normal** Neighborhood Choice of Y 6.Quadratic 7.W Shape 9.Fourth Root 10.Logarithmic 8.Two Parabolas 11.Circle 12.Ellipse 13.Spiral 14.Square 15.Diamond 18.Multiplicative Noise 16.Sine Period 1/2 17.Sine Period 1/8 19.Uncorrelated Binomial **20.Independent Clouds** 0.4 0.3 0.2 0.1

Neighborhood Choice of X