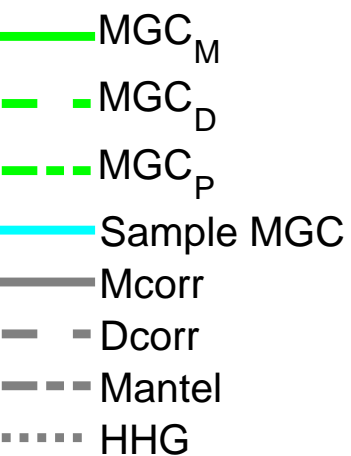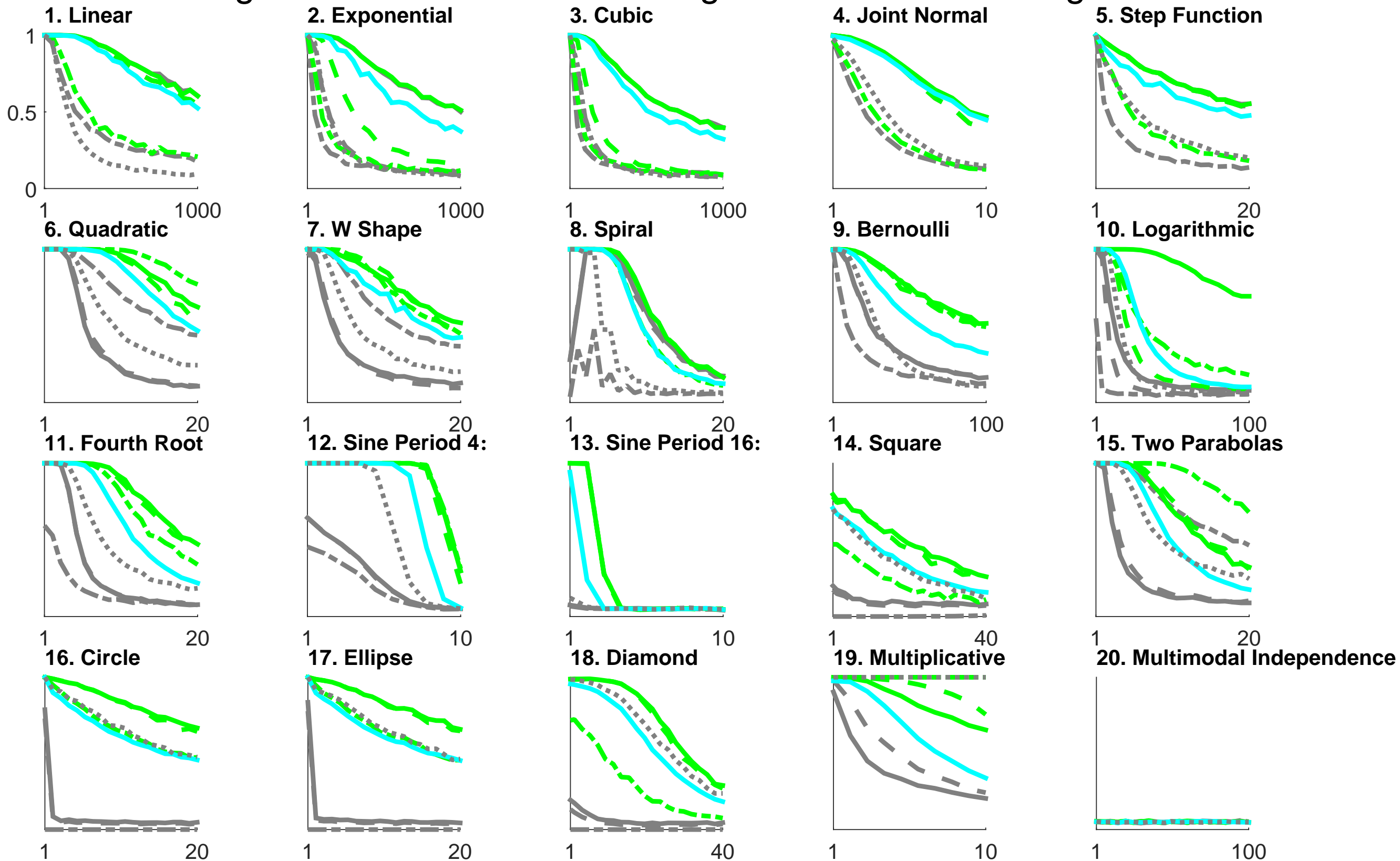# Testing Power for 20 Simulated High-Dimensional Settings

Legend:
- MGC$_M$
- MGC$_D$
- MGC$_P$
- Sample MGC
- Mcorr
- Dcorr
- Mantel
- HHG

Y-axis: Power

X-axis: Dimension

1. Linear
2. Exponential
3. Cubic
4. Joint Normal
5. Step Function
6. Quadratic
7. W Shape
8. Spiral
9. Bernoulli
10. Logarithmic
11. Fourth Root
12. Sine Period 4:
13. Sine Period 16:
14. Square
15. Two Parabolas
16. Circle
17. Ellipse
18. Diamond
19. Multiplicative
20. Multimodal Independence