

Radboud University Nijmegen





Behavioral Science Institute



“optimised” packaging/filling

Scaling phenomena

Packing Cubes or Spheres and Wrapping Blankets:

2D ~ 3D spatial scaling relations in nature:

Cauliflower fractal dimension = 2.33



Surface of human brain: 2.79



Surface of human lungs: 2.97



WHY OPTIMISED SURFACE AREA

and not VOLUME?

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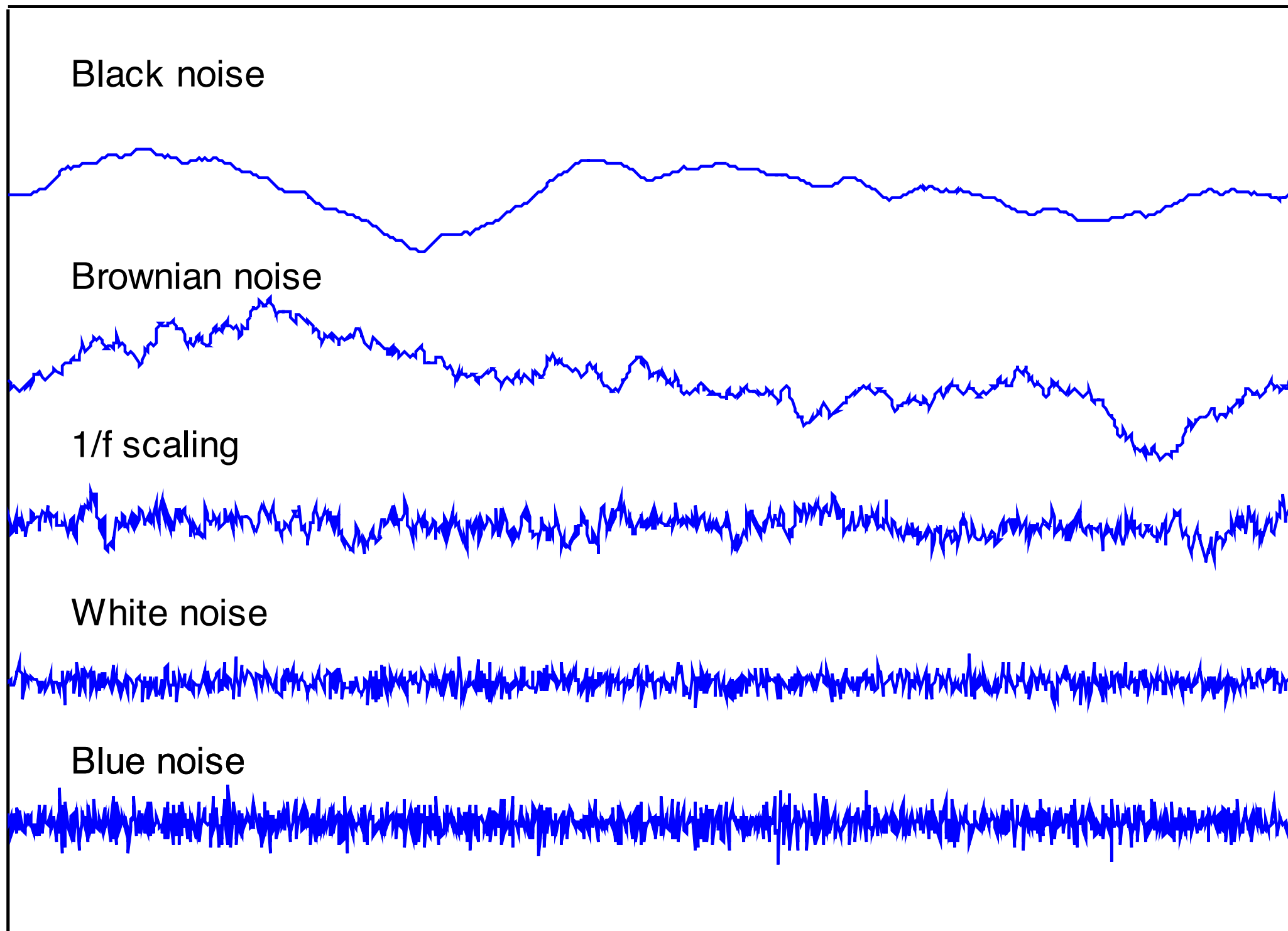


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**WHY OPTIMISED SURFACE AREA
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Scaling exponents reveal properties of data generating processes



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