

POST

A Bach fugue and a river are the same mathematical

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A Bach fugue and a river are the same mathematical object. Not similar. The same.

Hide the axis labels on a Bach recording and a plot of Guadalupe River discharge. A spectrum analyzer cannot tell them apart. Neither can I.

Both follow a statistical law called $1/f$. So does your heartbeat. So does neural firing. So does stellar luminosity. So does earthquake recurrence. So does species abundance. So does the elevation of the ocean floor.

Everywhere a system sustains itself at a balance between energy in and entropy out, the same signature appears. This is not coincidence. It is consequence.

Nature is compressible because its laws are short. Music is compressible because we are part of nature. Perception evolved to read exactly this signature.

The mathematics of hearing a watershed correctly is the mathematics of hearing a fugue.

This is the missing foundation of environmental superintelligence.

Compression. Maximum compression with maximum logical depth.

It is what we are building at EnviroAI.

Paper in first comment.

Tell me what you think

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