ICCAEx
Instituto de Computación Científica Avanzada UEx

Title: Solidity and information

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[https://fr.wikipedia.org/wiki/Jorge_Kurchan]

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Abstract:

The fact that particles can assemble to make a solid, even at high temperatures, becomes more mysterious the more one thinks about it. In order to resist stress, the system must have some form of organization of its particles. What about systems which, like a glass, seem amorphous? If they are to be true solids, some form of order should be there, but which? In the search for an unambiguous characterization of such hidden order, we soon realize that the problem is in fact equivalent to devising an image-compression strategy that would allow us to transmit a photo of the configuration in an optimal way. A true solid is then an assembly of particles whose configuration has minimal information per particle.

Zoom:
Topic: Seminario Jorge Kurchan-ICCAEx
Time: Nov 2, 2022 01:05 PM Madrid
https://unex-es.zoom.us/j/95323845982?pwd=RHFCRWpnUnRBT3dHU0lnRUVKM0VrZz09
Meeting ID: 953 2384 5982
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