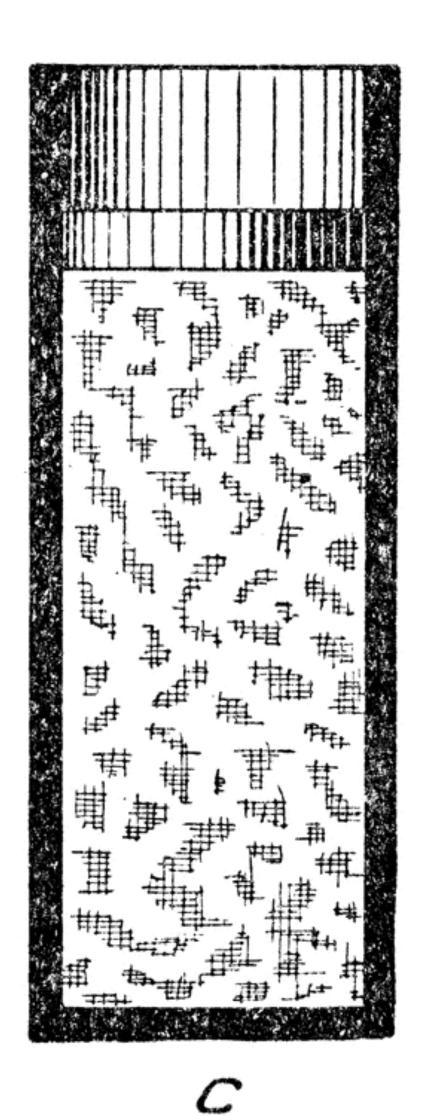


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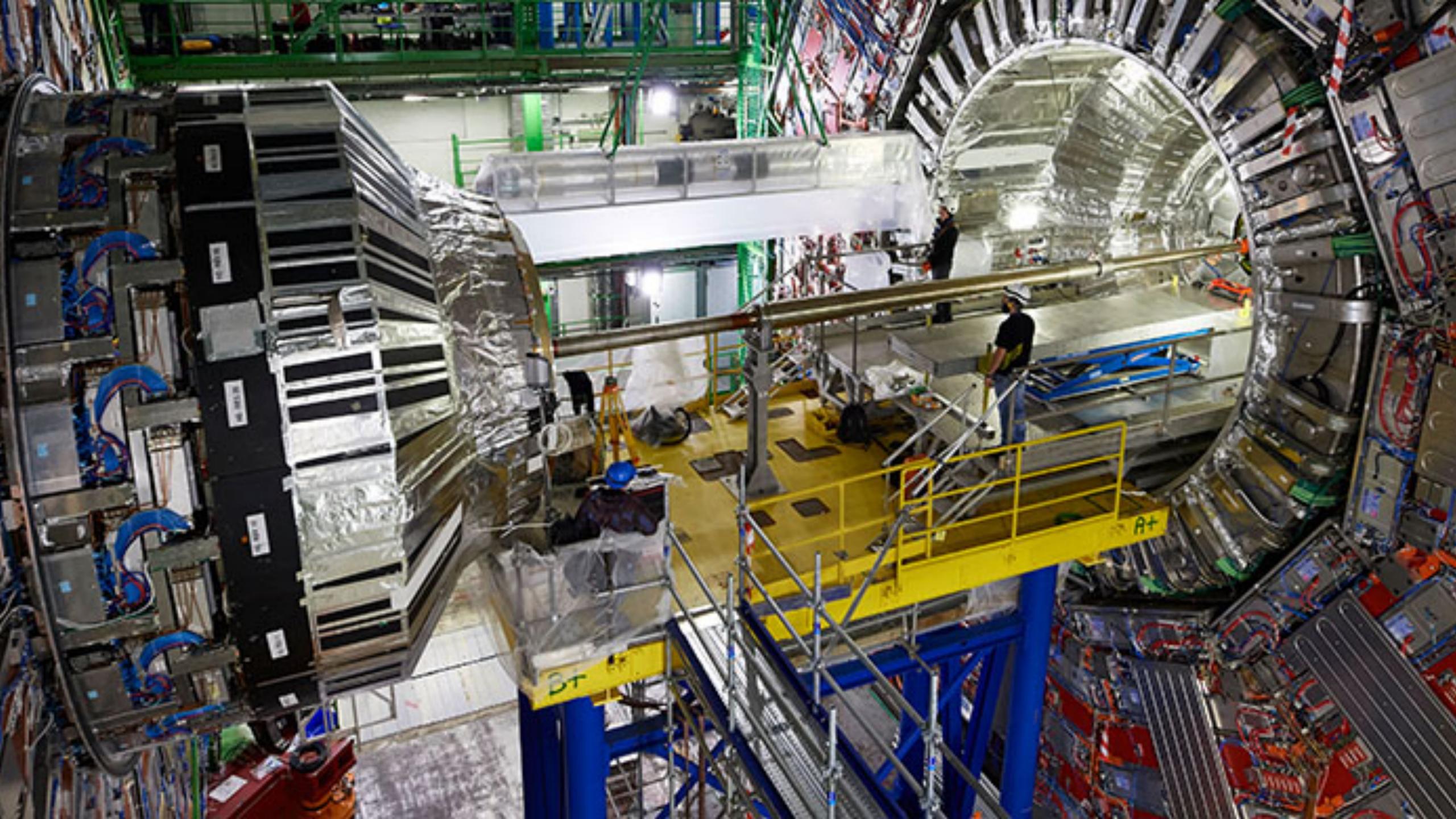
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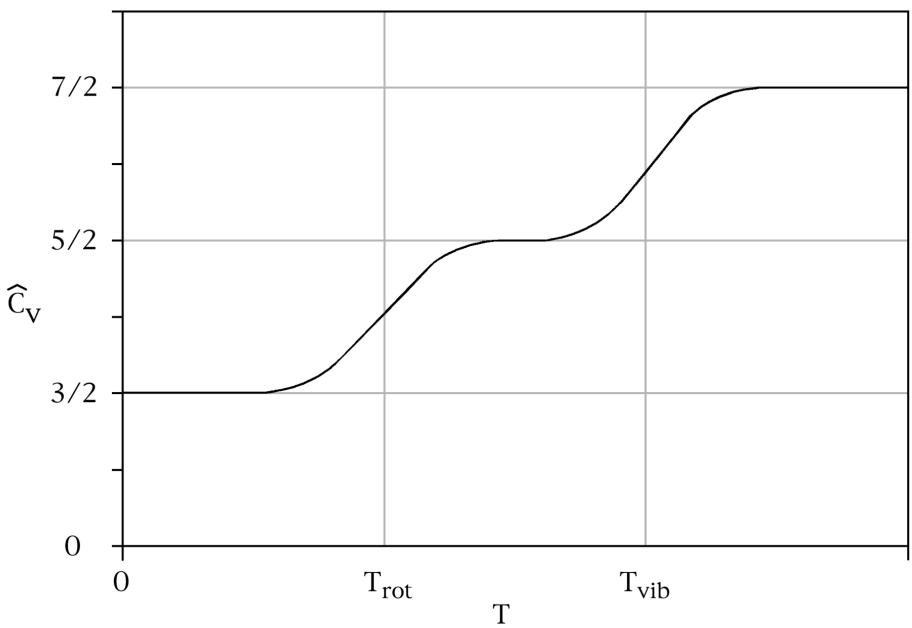
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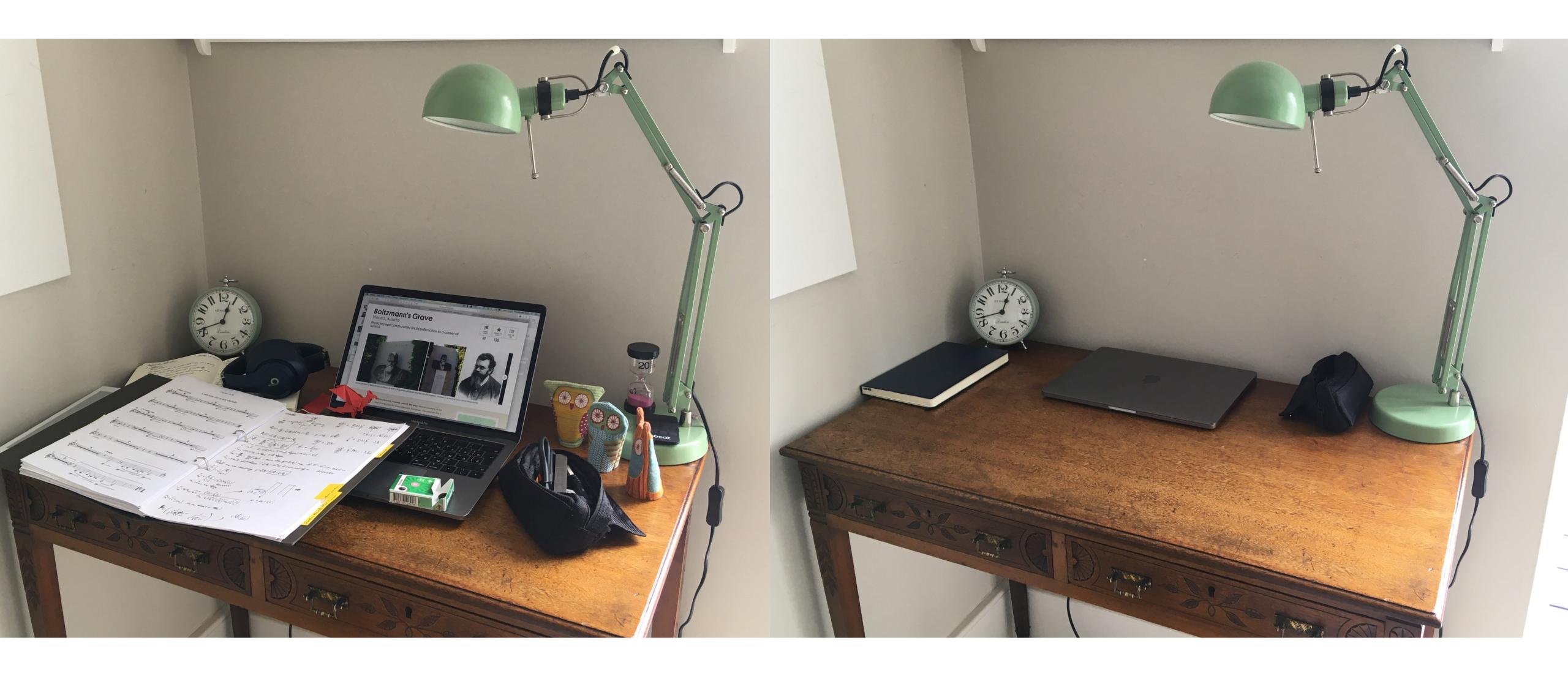














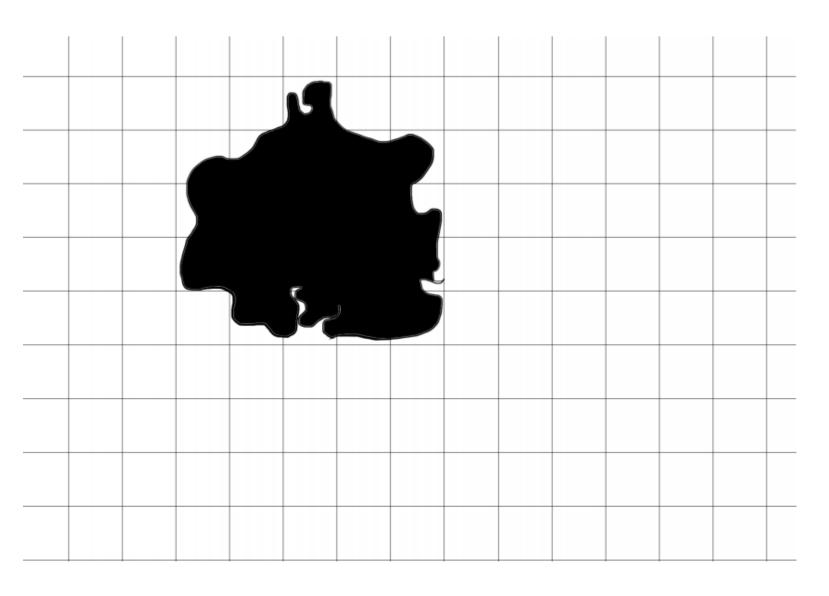
Remarkably, Boltzmann himself offered the hypothesis that "the universe, considered as a mechanical system — or at least a very large part of it which surrounds us — started from a very improbable state, and is still in a very improbable state" to explain the asymmetry in the second law. This view has subsequently been echoed by Gold, Feynman, Lebowitz and co-workers, Peierls, Penrose, and others, albeit with various degrees of emphasis and detail.

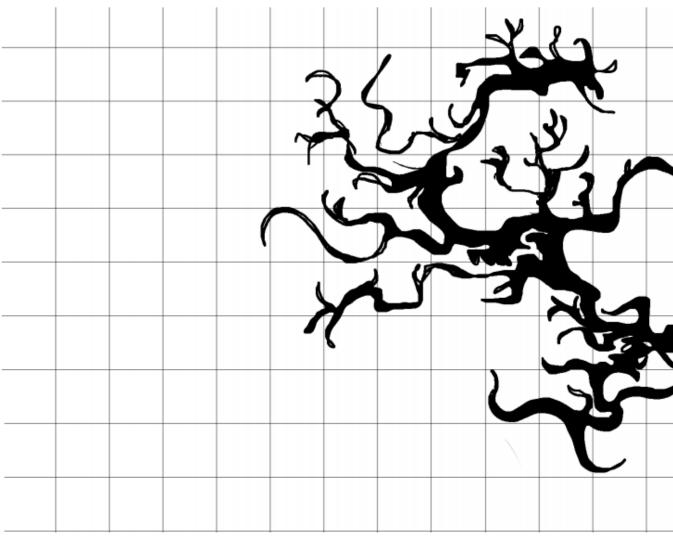


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Meanwhile, inside the box, the cat is planning its revenge...

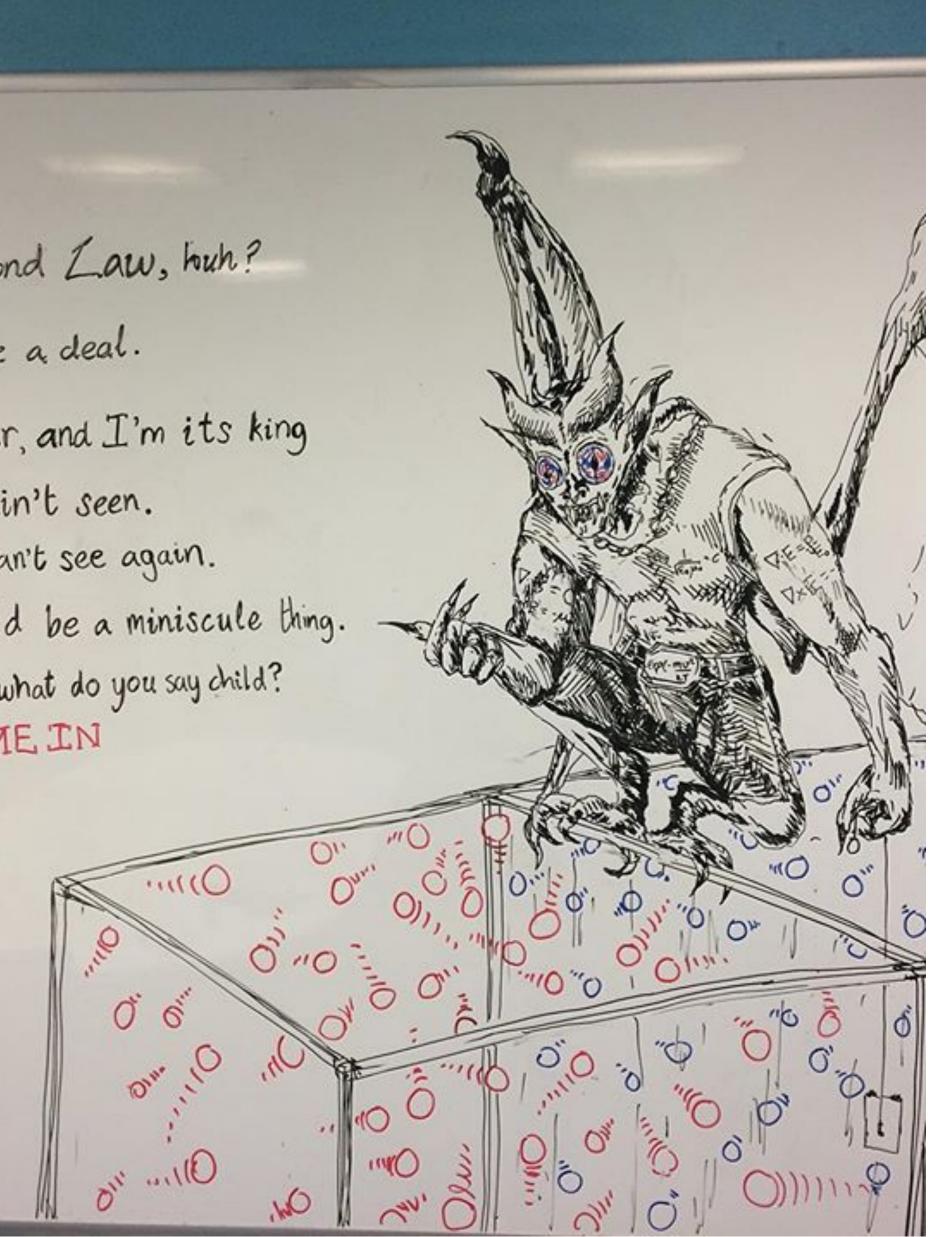


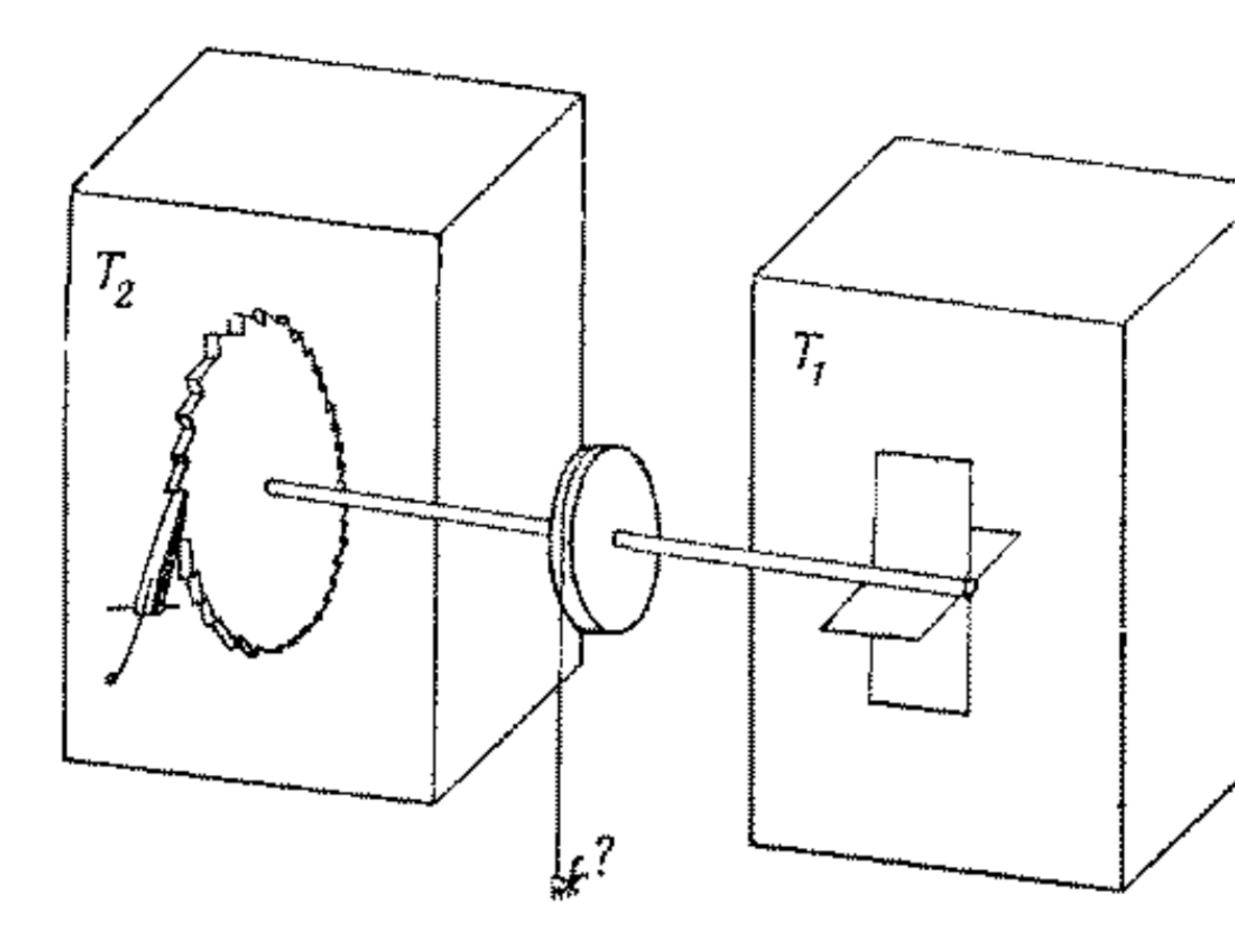


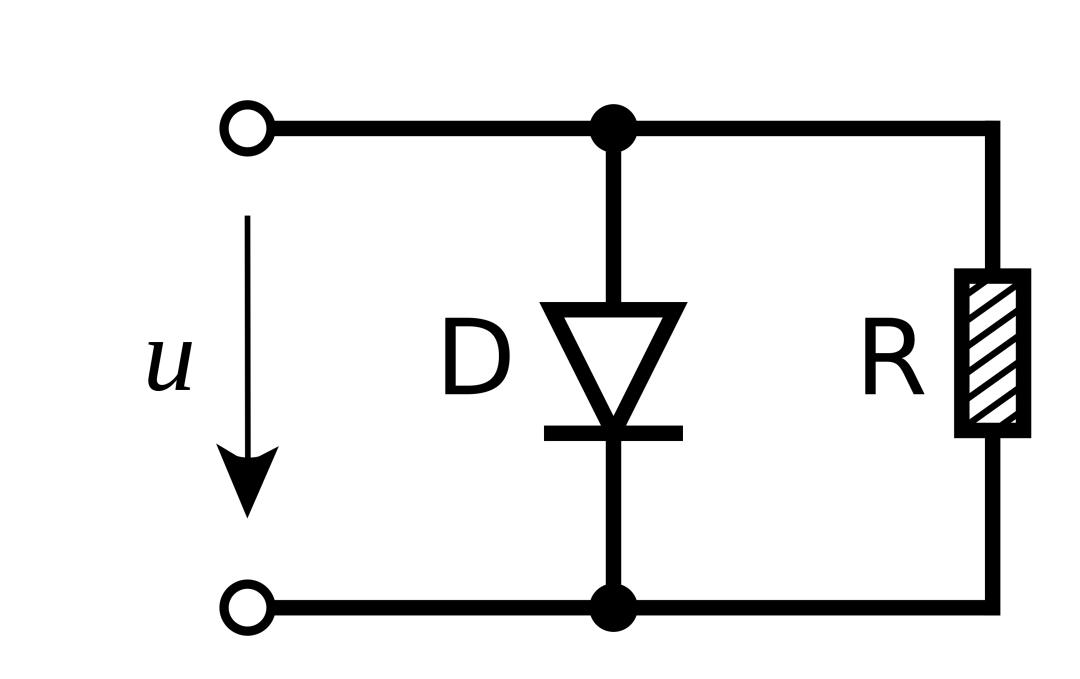


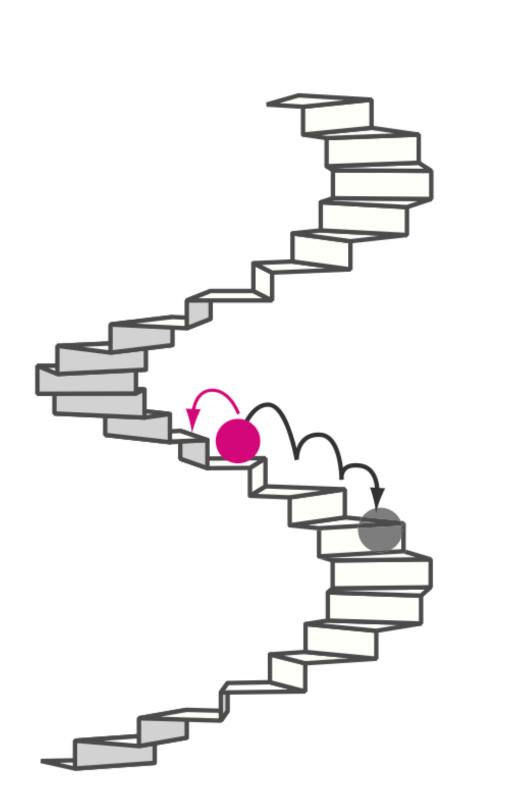
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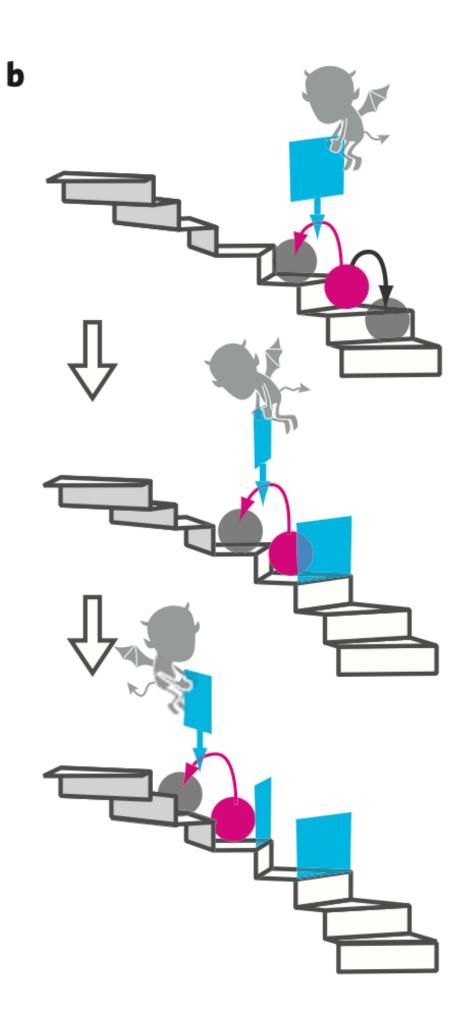
Breaking the Second Zaw, huh? Maybe we can strike a deal. You see, time's a river, and I'm its king Ain't no state I ain't seen. Ain't no state I can't see again. And the price would be a miniscule thing. A real bargain, so what do you say child? Take it, and LET ME, IN



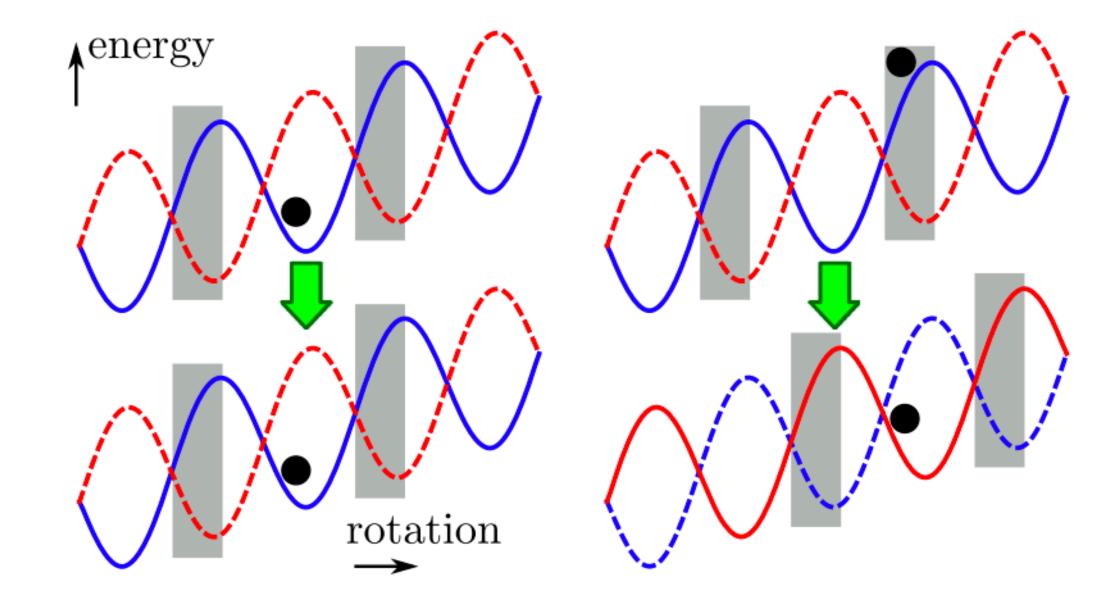








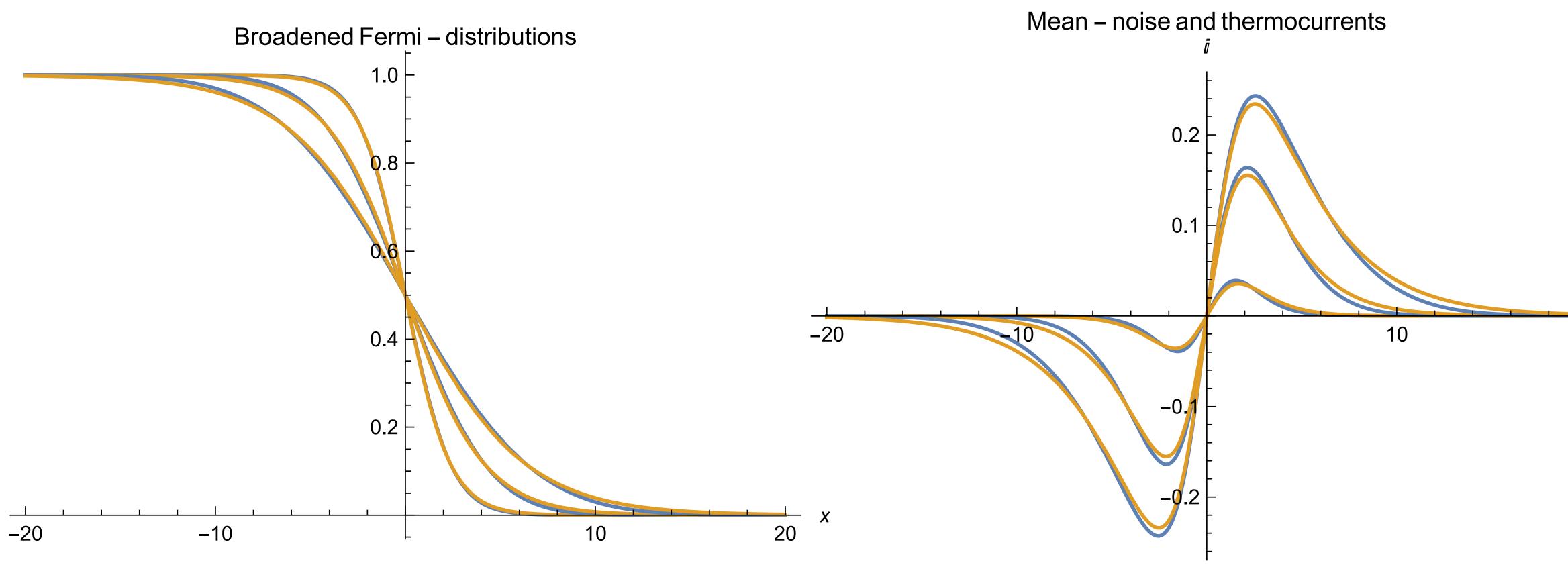
Toyabe, S., Sagawa, T., Ueda, M. et al. Experimental demonstration of information-to-energy conversion and validation of the generalized Jarzynski equality. Nature Phys 6, 988–992 (2010)





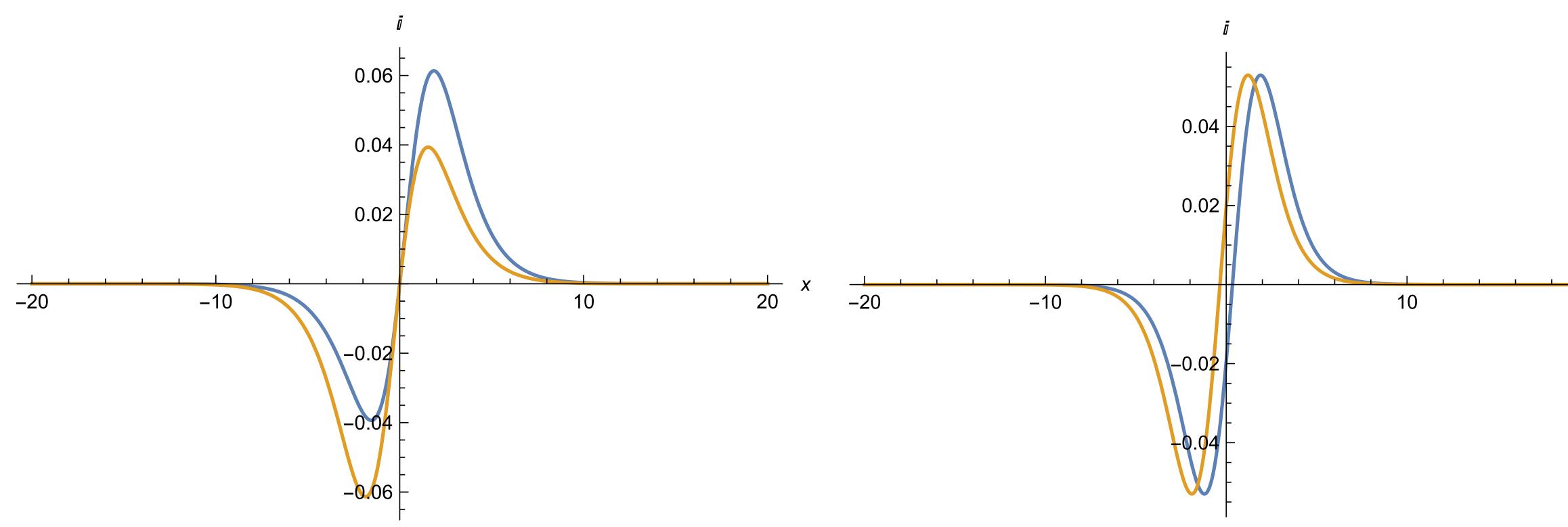








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