

# MAXWELLS DEMON

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### **Maxwell's demon - Wikipedia**

Maxwell's demon, hypothetical intelligent being (or a functionally equivalent device) capable of detecting and reacting to the motions of individual molecules.

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### **Maxwell's Demon - Oxford Handbooks**

Maxwell's demon is a thought experiment created by the physicist James Clerk Maxwell in in which he suggested how the second law of thermodynamics.

### **Physics - Viewpoint: Exorcising Maxwell's Demon**

It is possible to use information to extract energy, or work, at the quantum level, according to a new study. Thermodynamics is one of the most human of scientific enterprises, says Kater Murch, associate professor of physics at Washington University in St. Louis. That we can get.

## **Quantum Maxwell's demon 'teleports' entropy out of a qubit**

All quantum Maxwell's demons described or created so far by the authors or other researchers have had a very limited range of action—they.

### **Maxwell's Demon**

Maxwell's demon is the name given to a thought experiment designed to question the possibility of violating the second law of thermodynamics.

### **Maxwell's demon and the hunt for alien life**

The reason why Maxwell's demon can't violate the 2nd law of thermodynamics is that these two seemingly different notions of entropy are.

### **Quantum version of 'Maxwell's Demon' reveals weird catch - Futurity**

For instance, how much do you know about the second law of thermodynamics? Think of it in terms of Maxwell's Demon, and you'll understand.

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The main problem with this approach is that the notion of a probability distribution over initial conditions, if taken to be fundamental rather than derivative, is not physical. Stay up to date with what matters in science and why, handpicked from Nature and other publications worldwide. Search for this author in: Pub Med Maxwells Demon.

And we've talked about this multiple times. Fitting through a gate, or not, and modifying the net equilibrium in a given. So far, autonomous demons have been a purely theoretical concept; this new Maxwell's Demon system provides a way to test formulations of fundamental axioms of thermodynamics and descriptions of information processing.

Maybe one day, we'll be as smart as Maxwell's little creature. We then use this Rendus Physique. Report Block.