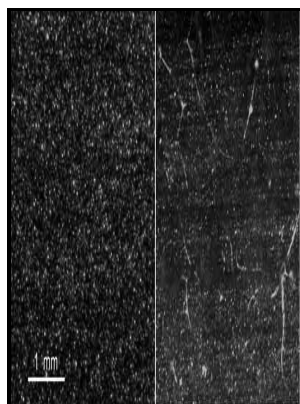


# Superfluids.

Dover - SUPERFLUID LABS



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-Superfluids.

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## A new look at superfluidity

If you spin a bucket full of water, a whirlpool like pattern will occur called a vortice , with the water at the center moving slowly and gradually speeding up as you move out from the center. Liquid helium-3: used to enable quantum gyroscopes to make extremely precise measurements.

## Stresses and flows in ultra

The CERN collider operates at 2 kelvin, my question is when was the last time the universe was at 2 kelvin? Here's a list of the 2016 Nobel Prize winners, which will be updated each day as new awards are announced.

## There's No Speed Limit in a Superfluid Universe. Now We Know Why

In a superfluid, heat is transmitted so fast that thermal waves become possible. However, I am insecure whether I understood everything correctly.

## SUPERFLUID LABS

Superfluids are also used in high-precision devices, such as gyroscopes, which allow the measurement of some theoretically predicted gravitational effects for an example see the Gravity Probe B article.

## Physics

During that time, the team took time-of-flight pictures of the distribution of atoms to capture the topology, or shape, of the superfluid. But in any event, do you see any application for a superfluid at rather low velocities that does not make use of the quantum nature, but just the vanishing or extremely low viscosity? And of course a quantum field vacuum can only roughly be at 0 K, the quantum fluctuations set a smallest possible temperature.

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