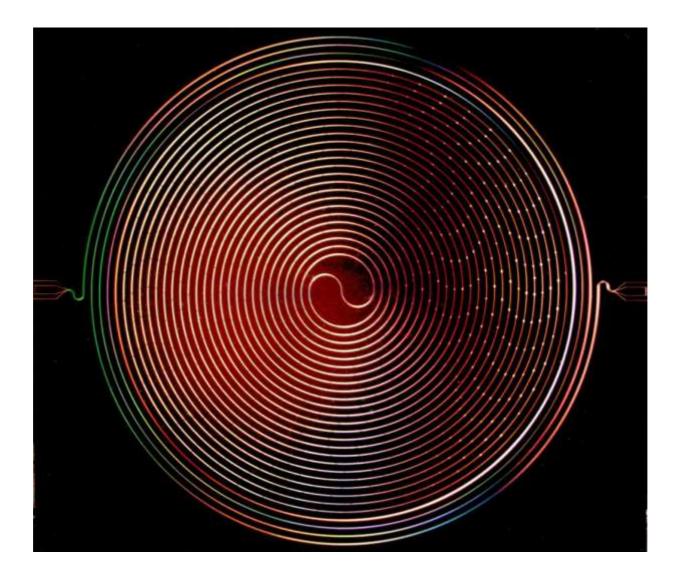
Quantum Amplifier

photo: NASA

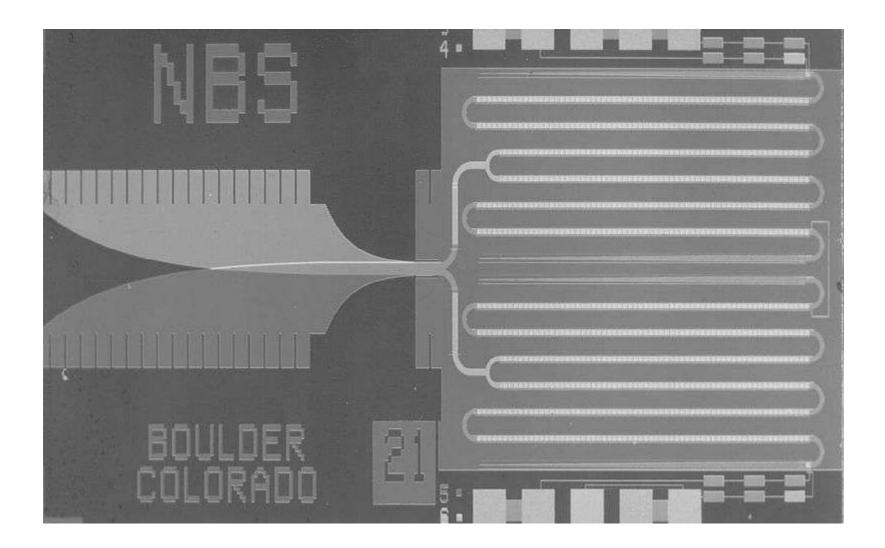


Information comes from :

"A Wideband, Low-Noise Superconducting Amplifier with High Dynamic Range"

> Byeong Ho Eom, Peter K. Day, Henry G. LeDuc, Jonas Zmuidzinas January 12, 2012

http://arxiv.org/pdf/1201.2392v1.pdf



Chip-sized one-volt voltage standard device used for standards measurement. It was developed by NIST based on an array of 3020 superconducting Josephson junctions.

"Like a Josephson junction, a thin superconducting wire behaves as a nondissipative inductor for currents below a critical current I_c ."

- op. cit.