

## Macro Roundup Article

**Headline:** [Chinese Scientists Claim Record Smashing Quantum Computing Breakthrough](#)

**Article Link:** [https://www.scmp.com/news/china/science/article/3237538/chinese-scientists-claim-record-smashing-quantum-computing-breakthrough?module=lead\\_hero\\_story&pgtype;=homepage](https://www.scmp.com/news/china/science/article/3237538/chinese-scientists-claim-record-smashing-quantum-computing-breakthrough?module=lead_hero_story&pgtype;=homepage)

Author(s)	Dannie Peng
Publication	South China Morning Post
Publication Date	October 11, 2023

**Tweet:** [Chinese scientists claim a breakthrough in quantum computing, completing calculations in less than a second that would have taken the world's fastest conventional supercomputer 20 billion years. @SCMPNews](#)

**Summary:** Scientists in China say their latest quantum computer has solved an ultra-complicated mathematical problem within a millionth of a second—more than 20 billion years quicker than the world's fastest supercomputer could achieve the same task. The JiuZhang 3 prototype also smashed the record set by its predecessor in the series, with a one million-fold increase in calculation speed, according to a paper published on Tuesday by the peer-reviewed journal Physical Review Letters. The fastest classical supercomputer Frontier—developed in the US and named the world's most powerful in mid-2022—would take over 20 billion years to complete the same task, the researchers said.

**Related Articles:** [Quantum Computing Advance Begins New Era, IBM Says](#) and [White House Unveils Ban On US Investment In Chinese Tech Sectors](#)

**Primary Topic:** China

**Topics:** China, Innovation/Research, News article, Productivity

**Permalink:** <https://www.edwardconard.com/macro-roundup/chinese-scientists-claim-a-breakthrough-in-quantum-computing-completing-calculations-in-less-than-a-second-that-would-have-taken-the-worlds-fastest-conventional-supercomputer-20-billion-years?view=detail>

**Featured Image Link:** <https://www.edwardconard.com/wp-content/uploads/2023/10/New-China-Quantum-Computer-.png>