

# The world's largest virtual universe created by Chinese supercomputers

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1. Strange weather phenomena can only be seen in the universe
2. Is there a way to destroy and destroy a cosmic black hole?

At the end of July, Chinese scientists created the largest virtual universe on Sunway TaihuLight at the National Supercomputing Center. They hope that the development of the next generation of supercomputers combined with advanced technology, such as the world's largest radio telescope, will help China lead the race in search of origin. and the process of forming the universe.

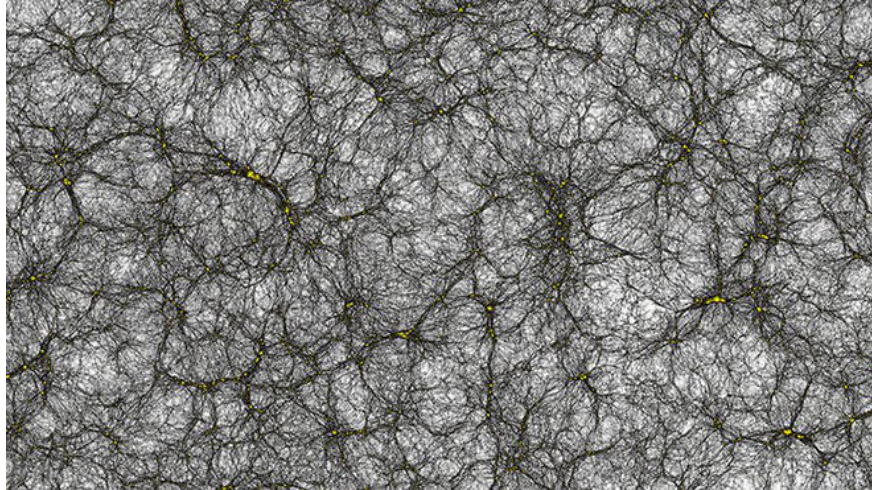


Sunway Taihu Light Supercomputer.

Gao Liang, head of the space research team at the National Astronomical Observatory, said that they have created a simulated version of the birth and formation of the universe using 10 trillion fine particles. number.

The scale of this project is five times larger than the previous record of the University of Zurich, Switzerland. But the fake Universe of European scientists can be maintained for 80 hours while Chinese researchers only

maintain it for more than an hour.



Partial universe emulated by European scientists.

Scientists simulate the universe by separating a giant mass into countless small particles. They rely on physical forces like gravity to interact with each other. The more particles involved in creating a false universe, the more accurately the team calculated the formation and evolution of the real universe. This emulation process can shed light on many of the mysteries of the universe that are hurting scientists like the nature and spread of dark energy.

Gao explained that the Sunway TaihuLight supercomputer uses all 10 million CPU cores, each running many different commands to speed up calculations. The results of the space simulation project were published in Science and Technology Daily, the official newspaper of China's Ministry of Science and Technology, on July 26.

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