



World

## Giant Galaxies spotted by NASA's Webb Telescope from shortly after the Big Bang

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A half-dozen galaxies from shortly after the Big Bang were discovered by scientists using new data from NASA's James Webb Space Telescope. The immense mass of distant stars may necessitate rethinking the very origins of galaxies.

Joel Leja, a professor of astronomy at Penn State, stated in a statement, "These objects are way more massive than anyone expected." In what was previously thought to be the beginning of the universe, we have discovered galaxies as mature as our own. At this point in time, we had only expected to find tiny, young, baby galaxies.

The galaxies appear to be around 13 billion years old, which means that they were already fully formed between 500 million and 700 million years after the Big Bang.

"What many of us had thought was settled science is upended by the revelation that massive galaxy formation began extremely early in the history of the universe," Leja stated. We've been calling these things "universe breakers" informally, and so far, they have lived up to that name."