# Script for ESOcast Light 246: Supermassive Black Holes on a Collision Course

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### Title: Supermassive Black Holes on a Collision Course

1. Using ESO’s Very Large Telescope in Chile, astronomers have uncovered the **closest pair of supermassive black holes** yet.

2. They are located in a galaxy about **89 million** light-years away.

   They are **154 million and 6 million** times more massive than our Sun.

3. The pair also beat the record for the **shortest separation** between two supermassive black holes.

   They are seen in the sky to be just **1600 light years** apart.

4. They are on a **collision course**, doomed to clash...

   ...likely within the next **250 million years** and merge into one **monster black hole**.

### [Outro]

*Produced by ESO, the European Southern Observatory.
Reaching new heights in Astronomy.*

Also interesting: [https://www.youtube.com/watch?v=sqfbHyfuYDM](https://www.youtube.com/watch?v=sqfbHyfuYDM) and
https://www.youtube.com/watch?v=qW-HXYX
Yyb&i=2s