



**Chandra X-ray
Observatory Center**

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G292.0+1.8: A supernova remnant about 20,000 light-years from Earth.
(Credit: X-ray: NASA/CXC/SAO/L. Xi et al.; Optical: Palomar DSS2)

Caption: The G292.0+1.8 supernova remnant contains a pulsar moving at over a million miles per hour, as seen in this Chandra image (red, orange, yellow, and blue) that has been combined with an optical image from the Digitized Sky Survey. Pulsars are rapidly spinning neutron stars that can form when massive stars run out of fuel, collapse and explode. Sometimes these explosions produce a "kick," which sent this pulsar racing through the remains of the supernova explosion. An inset shows a close-up look at this pulsar in X-rays from Chandra, which observed it both in 2006 and 2016 to measure this remarkable speed.

Scale: Main image is about 11.4 arcmin (66 light years) across.

Chandra X-ray Observatory ACIS Image

CXC operated for NASA by the Smithsonian Astrophysical Observatory