

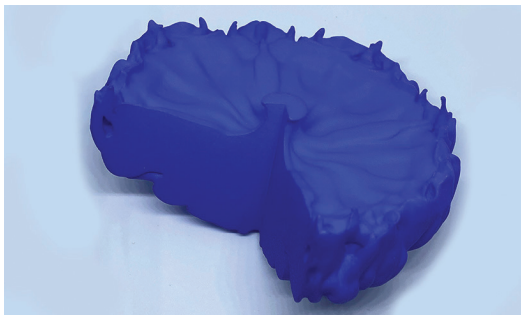


3D PRINT

Supernova Remnant Cygnus Loop

The Cygnus Loop, also known as the Veil Nebula, is a vast supernova remnant located approximately 2,600 light-years away from Earth in the constellation Cygnus. Spanning about 120 light-years across, this structure is the result of a massive star that exploded between 5,000 and 10,000 years ago. The explosion sent shock waves rippling through the surrounding interstellar medium, heating the gas to millions of degrees and creating the intricate, filamentary structures we observe today. The original supernova would have been bright enough to be seen clearly from Earth with the naked eye.

How to Create Your Own Supernova Remnant Cygnus Loop



The Cygnus Loop model examines a cloud of interstellar material interacting with a superheated, supernova blast wave. The model resembles a bowl with a thick base, and a wedge cut from the side like a slice of pie. The sides of the bowl appear solid.

To create your own version of supernova remnant Cygnus Loop:

Printing Recommendations

Printer Type: FDM or SLA printers

Material: PLA filament or resin

Layer Height: 0.1 mm for optimal detail

Supports: Recommended for any overhanging structures

Scale: Adjustable to suit tactile needs or display purposes



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THE FILES**

*X-ray: NASA/SAO/CXC; Optical: John Stone (Astrobin); Image Processing: NASA/SAO/CXC/L. Frattare, N. Wolk
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