ASTRO BATS

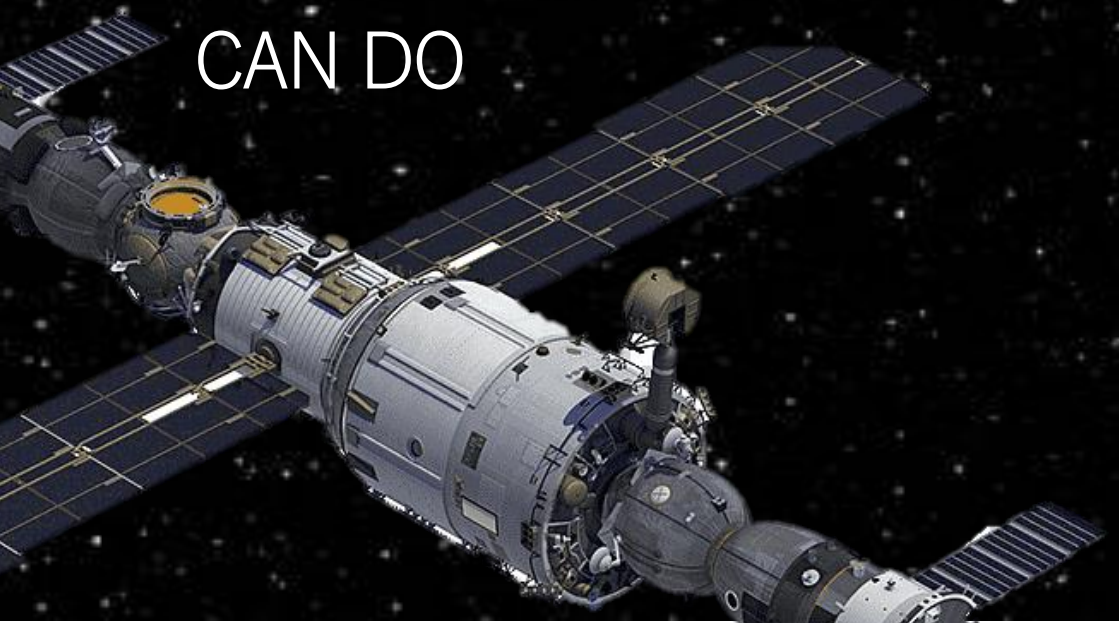
METEOR MADNESS

JOSÉ RAMÓN CAMPOS CASTILLO
MÓNICA ESTEFANÍA GARCÍA TERÁN
ELÍ ISRAEL DELGADO
ABRAHAM RANGEL QUINTANILLA

MISSION

CAUSE THE MOST DAMAGE

BE AN ASTEROID AND SEE HOW MUCH DAMAGE YOU CAN DO



SELECT YOUR ASTEROID

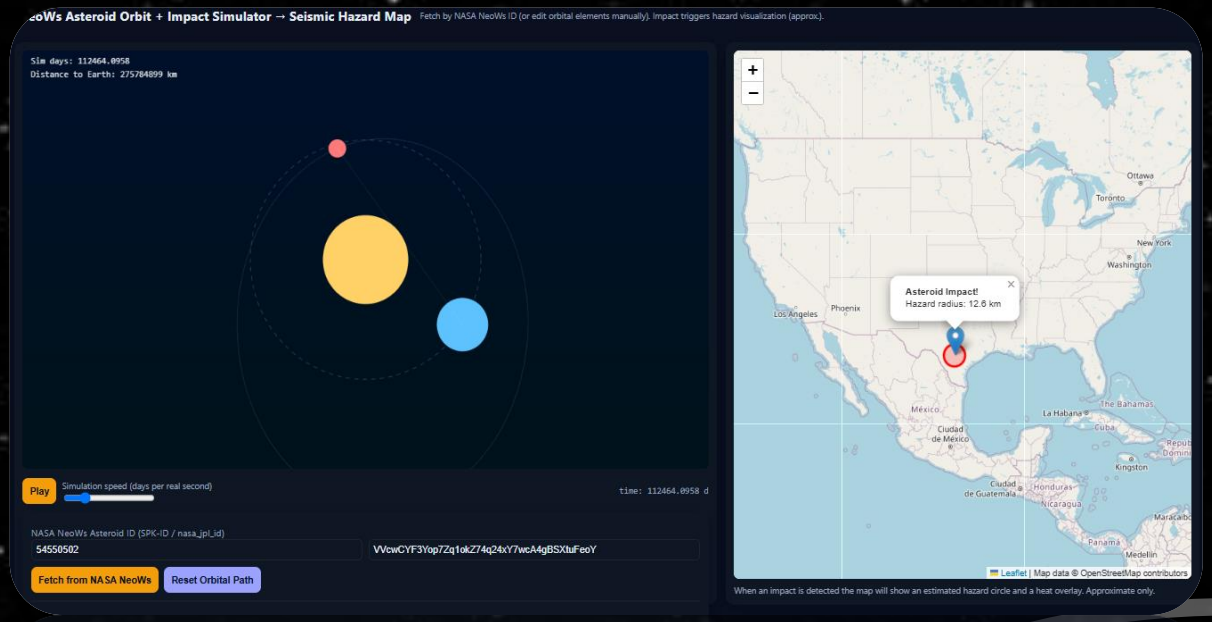
| SPEED: 20 KM/S
| ANGLE: 45°
| DIAMETER: 600M

2025-BC10

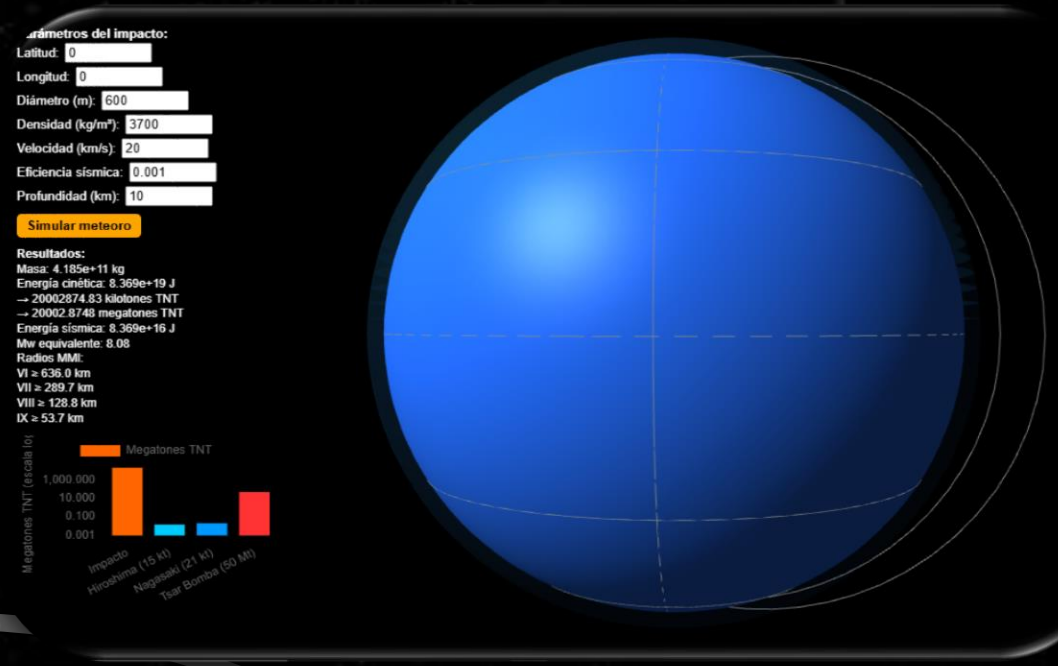
| DENSITY: 3700 KG/M^3
| TYPE: ROCK

2025-BC10

ASTEROID ORBIT & IMPACT SIMULATOR



PLANET DESTROYER



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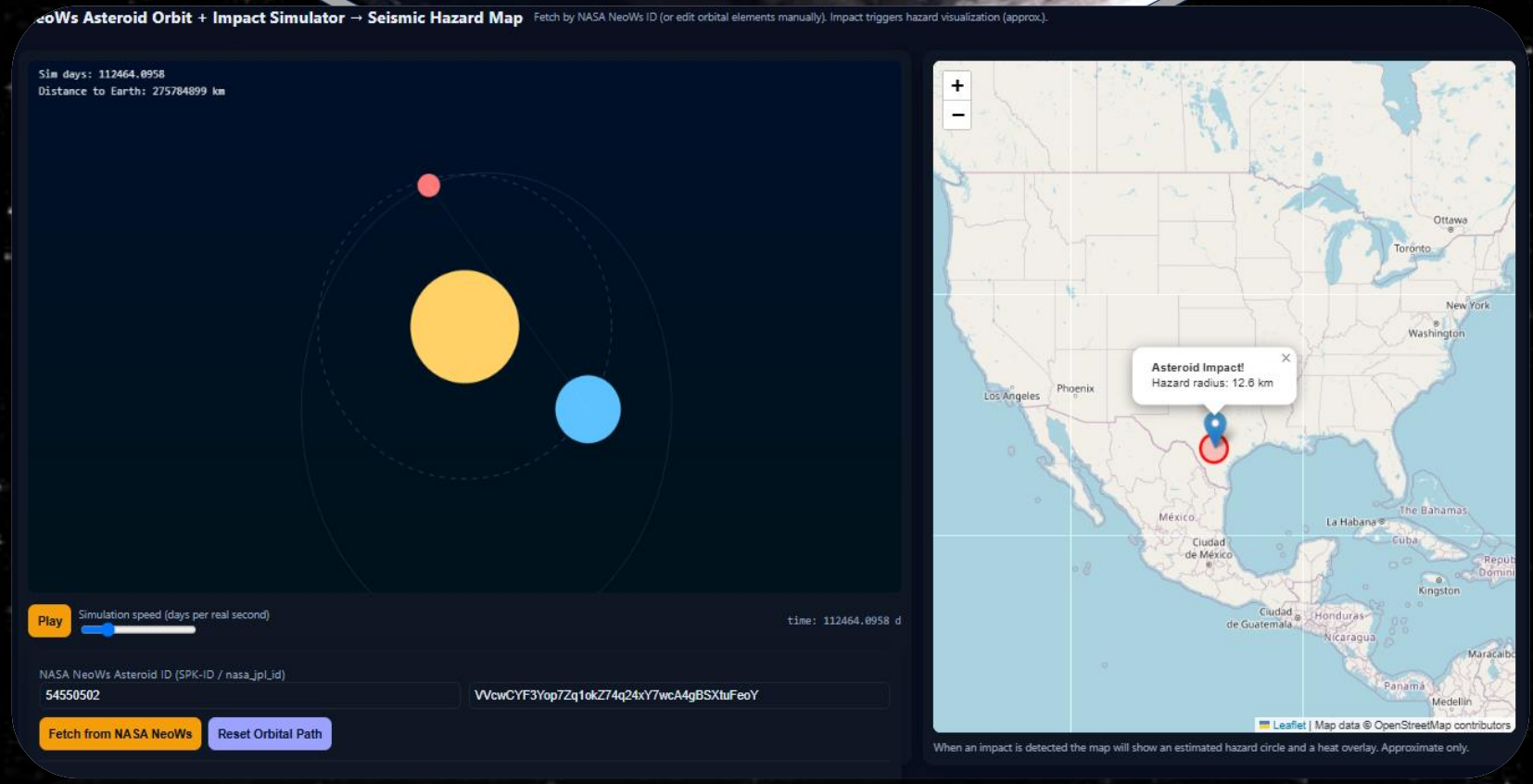
PRINCIPLES
FUNCTIONS

- Asteroid’s Real Data
- 3D Orbit Simulation
- Risk and Impact Map
- Interactives Controls



ASTEROID ORBIT VIDEO

2025-BC10

PLANET DESTROYER

Parámetros del impacto:

Latitud: 0

Longitud: 0

Diámetro (m): 600

Densidad (kg/m³): 3700

Velocidad (km/s): 20

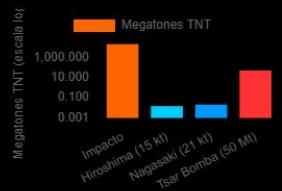
Eficiencia sísmica: 0.001

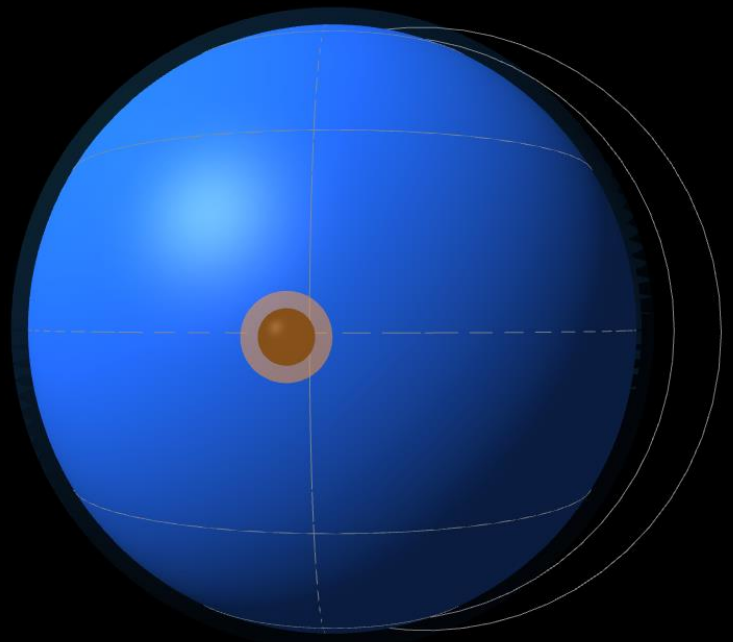
Profundidad (km): 10

Simular meteoro

Resultados:

Masa: 4.185e+11 kg
Energía cinética: 8.369e+19 J
→ 20002874.83 kilotones TNT
→ 20002.8748 megatones TNT
Energía sísmica: 8.369e+16 J
Mw equivalente: 8.08
Radios MMI:
VI ≥ 636.0 km
VII ≥ 289.7 km
VIII ≥ 128.8 km
IX ≥ 53.7 km





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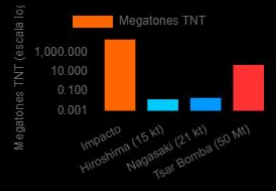

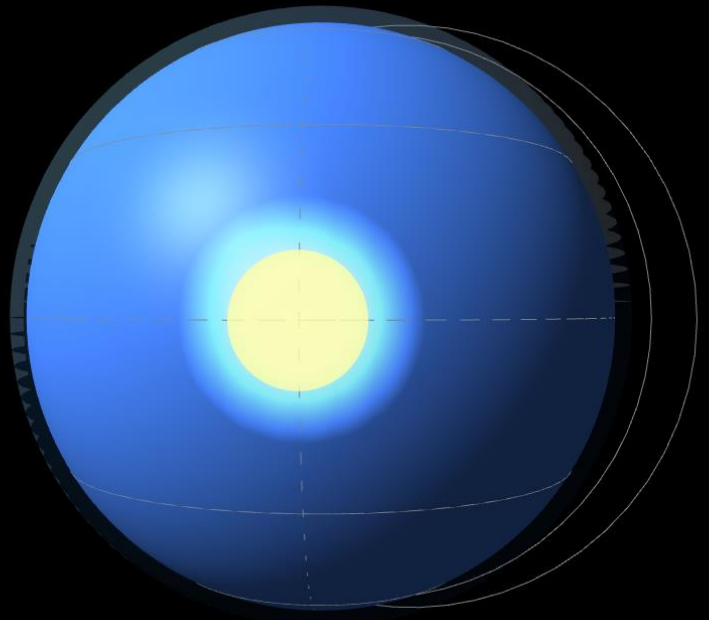

RESOURCES

- NASA Near-Earth Object (NEO) Web Service Application Programming Interface (API)
- U.S. Geological Survey (USGS) National Earthquake Information Center (NEIC) Earthquake Catalog
- https://science.nasa.gov/resource/asteroids-poster-version-a/
- https://science.nasa.gov/resource/asteroids-poster-version-b/