

Deflection of Near Earth Objects by Means of Tethers

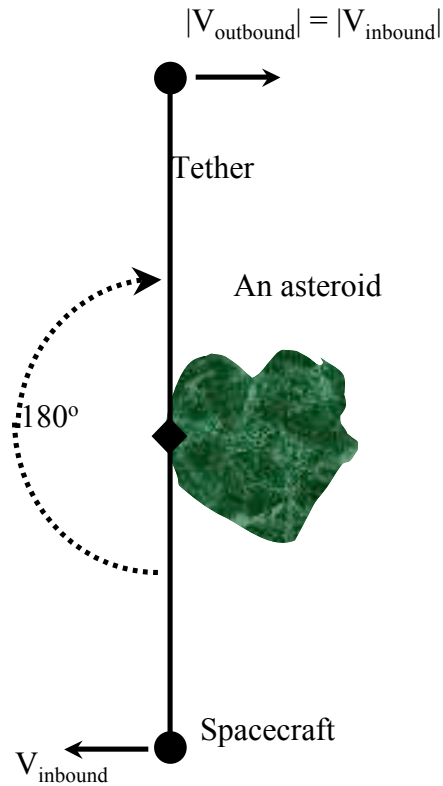
Vladimir Chobotov and Nahum Melamed
The Aerospace Corporation, U.S.A

- A tether-assisted asteroid deflection method is suggested to mitigate its collision threat with the Earth
- Tether material strength limitation restricts asteroid diameter to approximately 200 m
- Nearly a mile size Meteor Crater in Arizona was created by a 30 to 50 meters asteroid

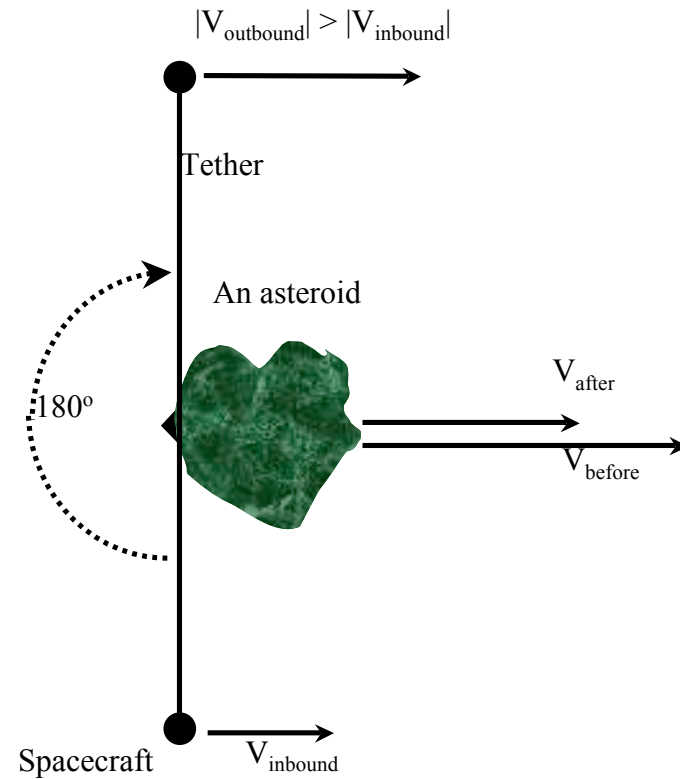


**THE AEROSPACE
CORPORATION**

Maximized tether-assisted asteroid deflection



Asteroid perspective



Heliocentric perspective

