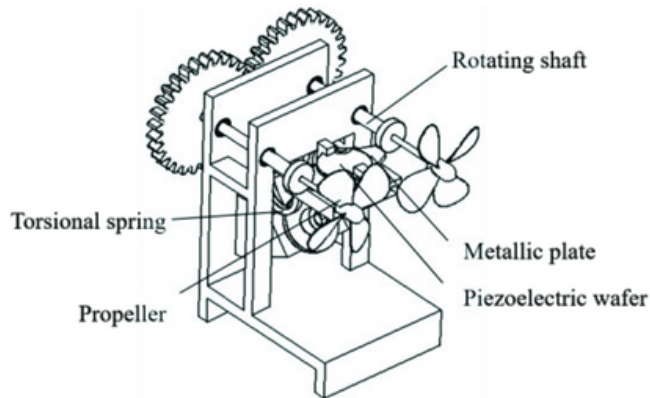


Misc

Research papers



Turbine

Ultrasonic motor is an actuator driven by ultrasonic vibration, which has the characteristics of low electromagnetic interference, low noise, light weight and compact structure



Toroidal propeller

Toroid propellers are significantly quieter, and are more efficient than traditional propellers both in air and water.



Antenna built using GAs

Building efficient design of antenna for communication of data using evolutionary algorithm

Other usecases and sensors

- Direct Drive PMSM motors combined with B-series propellers--63% effective
- Inline Thrusters: Lian 130e thruster -- highly efficient
- MAIN THRUSTER: 300-W nominal power thruster (a Seaeye SI-MCT01-B)
- LATERAL THRUSTER: Seabotix BTD150
- Water Conductivity Sensor, Attitude and heading reference system, inclinometer, GPS & Compass
- GEOMAR AUV ANTON (Girona 500)