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Scope Doc

Minimal-

At minimum we want the ferrofluid to move.

Visually displaying that the ferrofluid was able to be moved around using a magnetic field (most likely an induced-magnetic field).

Ideal-

Ideally, we want the ferrofluid to spin.

The ideal goal is to show that the ferrofluid is capable of spinning up with a magnetic field and could potentially create a torque, hopefully strong enough to display movement about a rotating platform.

Future Work-

In the future, if the ferrofluid system can be constructed to be efficient and effective enough and is small enough to be placed on a cube-sat or similar, we would want the ferrofluid attitude control system to fly on a spacecraft and demonstrate its potential in a real-life attitude control scenario in space.