

This manuscript proposed two modified methods to overcome the unstable of the classical IFF control in rotating platforms due to the gyroscopic effects, namely, adding a high pass filter to the pure integrators and springs in parallel with the actuators and force sensors. The improvement of active damping control is more obvious. However, there are several issues to be addressed before the reviewer could recommend it for publication.

1. The introduction needs to be improved, this manuscript lacks recent references, especially lacks systemically references about active damping control for rotating mechanical systems with gyroscopic effects, backgrounds and prospects of engineering application.
2. Equation references in the manuscript are not standard, such as when authors mention equation (3) page 3 should be written as Eq. (1). Suggest authors check all equation references.
3. The authors should lay out Figure 13 in section 5, such as background, main usage to this example, and the annotation of key components in Figure 13.