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Experimental evaluation of a hydrography surface vehicle in four navigation modes

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Highlights

- All evaluated navigation modes are enough reliable, and accurate for bathymetry duty.
- According to experiments the autonomous navigation mode was the most precision and comfortable mode.
- In GUI mode, due to delay of data communication between ASV and office, the ASV fluctuates around base line.
- The most reliable mode was RC that is used for boat separation from dock and the boat recovering.

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