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## Research and Design of UUV Navigation and Control Integrative Simulation System Based on Component

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### ABSTRACT

This paper uses the component-based technology and the object oriented simulation technology to analyze the UUV navigation and control integration simulation system. We divide the system into components based on its structure, and describe every component using active diagram. By using the component-based technology, the system described here is easier to extended and be reused. At last, it realizes the whole UUV integrated navigation simulation course using the system to validate the availability.

### KEYWORDS

UUV; Integrative Simulation; Component

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