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R&D Status on Remote Handling Technology for ITER Blanket Maintenance

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In the ITER, the blanket must be replaced remotely for maintenance because of high radiation field. This study demonstrated two of three steps of blanket positioning process, a Virtual Reality (VR) system and final positioning because the other step, a robot vision system has been demonstrated in the previous study. Regarding the VR system, positioning accuracy of 46.7 mm was achieved. Regarding final positioning, the blanket module could be positioned without gaps and errors. As a result, feasibility of the positioning strategy for the blanket module has been verified.

Country or International Organisation

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