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Special Topic Articles

Picture of Geospace Revealed by a Quarter of a Century of Observation

of the Akebono (EXOS-D) Satellite and Future Perspective

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Chemical compatibility is an important issue for the development of liquid breeder blanket systems and liquid divertor concepts of fusion reactors. Authors have studied about the corrosion mitigation measure by an in-situ self-formation of oxide layers in liquid metals. Figure indicates an in-situ self-forming behavior of an oxide layer on Zirconium metal immersed in liquid metal lead and an in-situ self-healing behavior of artificially damaged region in the oxide layer.

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3-1-1 Uchiyama, Chikusa-ku, Nagoya 464-0075, Japan

Tel (052)735-3185, Fax (052)735-3485, E-mail: plasma@jsof.or.jp, URL: <http://www.jspf.or.jp/>