



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Some properties of the first eigenvalue of the $p(x)$ -laplacian on riemannian manifolds

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Abstract: The main result of the present paper establishes a stability property of the first eigenvalue of the associated problem which deals with the $p(x)$ -Laplacian on Riemannian manifolds with Dirichlet boundary condition.

Key Words: Variable exponent Lebesgue and Sobolev spaces; first eigenvalue; Riemannian manifolds; $p(x)$ -Laplacian.

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