

Interval Valued Variational Inequality Problem on Hadamard Manifold

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Abstract: In this talk, we will introduce the interval valued variational inequality problem (RIVIP) on Hadamard manifolds. At first, we have a brief introduction to the relevant literature, including the recent results on manifolds. Next, the existence of solution to the Stampacchia and Minty problems will be presented, as well as the relationship between them. Finally, we will present the relationship between RIVIP and the interval valued optimization problems on Hadamard manifolds.

Keywords. Hadamard manifolds, interval variational inequalities, interval valued function, set valued function on manifolds.

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