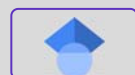




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ON THE RESOLUTION OF VARIATIONAL INEQUALITY PROBLEMS WITH A DOUBLE-HIERARCHICAL STRUCTURE

By

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In this paper, we discuss a pseudo-monotone variational inequality problem with a variational inequality constraint over a general, nonempty, closed and convex set, which is called the double-hierarchical constrained optimization problem. In addition, we propose an iterative algorithm by incorporating inertial terms in the extragradient algorithm. Strong convergence of the algorithm to the unique solution of the problem is guaranteed under certain assumptions.

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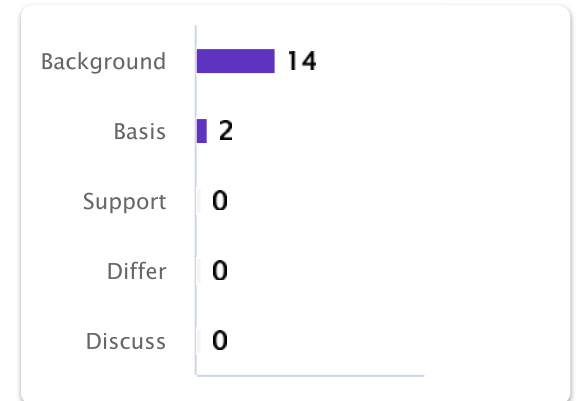
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