

**THE GEODESIC FLOW
OF A SUB-RIEMANNIAN METRIC
ON A SOLVABLE LIE GROUP**

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We consider the sub-Riemannian problem on the three-dimensional solvable Lie group $SOLV^+$. The problem is based on constructing a Hamiltonian structure for a given metric by the Pontryagin Maximum Principle.

Key words and phrases: sub-Riemannian geometry, left-invariant metric, Hamiltonian, geodesics.

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