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Opérateurs différentiels invariants hyperboliques sur un espace symétrique ordonné

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Abstract. Let $\mathcal{M}$ be a homogeneous and globally causal manifold and D an invariant differential operator on $\mathcal{M}$. We study conditions under which D permits an causal fundamental solution. For the cases that M is an ordered symmetric space of Ol'shanskiĭ type or an ordered symmetric space of rank 1 we show that an invariant hyperbolic operator admits a causal fundamental solution.

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