

Linear Hamiltonians in generators of the Jacobi group $GJ_n(\mathbb{R})$ on the extended Siegel-Jacobi domain X_n^+

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The energy function and the equations of motion on the extended upper Siegel-Jacobi half space of order n attached to a linear Hamiltonians in the generators of the real Jacobi group of order n are studied. The case $n = 1$ is presented separately.

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