A Finsler geometry of the group of symplectic transformations

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In 1990, Hofer discovered a canonical bi-invariant Finsler metric on symplectomorphism groups, which plays an important role in symplectic topology and Hamiltonian dynamics. I will review recent advances in the coarse geometry of these groups. Based on joint works with Lev Buhovsky, Ben Feuerstein, and Egor Shelukhin.