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Orbits of real forms in complex flag manifolds

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Abstract. We investigate the *CR* geometry of the orbits M of a real form \mathbf{G}_0 of a complex semisimple Lie group \mathbf{G} in a complex flag manifold $X = \mathbf{G}/\mathbf{Q}$. We are mainly concerned with finite type and holomorphic nondegeneracy conditions, canonical \mathbf{G}_0 -equivariant and Mostow fibrations, and topological properties of the orbits.

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