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Symbol index

Except when otherwise noted, all Lie groups $G, K, \ldots$ are connected and simply connected: $\mathfrak{g}, \mathfrak{k}, \ldots$ are the corresponding Lie algebras.
Common symbols (not defined in text):

$A \sim B$ is the set–theoretic difference.

$K \backslash G$ is the set of cosets Kg; G/K, the set of cosets gK.

$\mathfrak{g}/\mathfrak{k} = \mathfrak{k} \backslash \mathfrak{g}$ is the set of additive cosets $\mathfrak{x} + \mathfrak{k}$.

$A \approx B$ means that A, B are homeomorphic or diffeomorphic spaces.

$\mathfrak{m}^{\perp}, \mathfrak{k}^{\perp}, \ldots$ are the annihilators in the dual space of $\mathfrak{m}, \mathfrak{k}\cdot \ldots$.

$\mathscr{C}_c, \mathscr{C}_c^{\infty}$ are used for spaces of continuous (C^{∞}) functions with compact support.

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