

# Picture of $Sp(4, \mathbb{R})$ lowest $K$ -types

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These are the representations of  $K = U(2)$  for  $G = Sp(4, \mathbb{R})$ , parametrized by pairs of integers  $a \geq b$ . They are grouped in families as lowest  $K$ -types of a particular series of representations, one for each KGB element  $\mathbf{x}$  with no complex descents. CORRECTED numbering of  $\mathbf{x}$  2/13/20.

