

Holonomy representations admitting two pairs of supplementary invariant subspaces

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We show that if a representation admits two pairs of supplementary invariant subspaces, or one pair and an invariant reflexive form, then it is a direct sum of three canonical subrepresentations which we characterize. We then focus on holonomy representations with the same property. The work is a contribution to the classification of the holonomy representations of torsion-free connections and for which the non semi-simple case is open.