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AFFINE VOGAN DIAGRAMS AND SYMMETRIC PAIRS

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Abstract:

We introduce the affine Vogan diagrams of complex simple Lie algebras. These are generalizations of Vogan diagrams, and we study the involutions represented by them. We apply these diagrams to study the symmetric pairs, in particular the associated and symplectic symmetric pairs.

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17B20, 17B22, 53C35.

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complex simple Lie algebras, affine Vogan diagrams, involutions, symmetric pairs.

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