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### **Ample Parabolic Subalgebras**

Let  $(L, L_0)$  be a finite-dimensional transitive pair of Lie algebras. We call the subalgebra  $L_0$  *ample nonlinear* in  $L$  if its linear isotropy representation on  $L/L_0$  admits a nontrivial kernel  $L_1$ , and the normalizer  $N_L(L_1)$  of that kernel is identical to  $L_0$ . For semisimple Lie algebras  $L$  over  $\mathbb{K} = \mathbb{R}, \mathbb{C}$ , we classify in this paper the ample nonlinear subalgebras  $L_0$ . These subalgebras are exactly the *ample parabolic subalgebras* of  $L$ .

**Keywords:** Second-order homogeneous spaces, nonlinear subalgebras, structure theory of simple Lie algebras, parabolic subalgebras.

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