

MR962390 (89m:17050) [17D92](#) [92A10](#)**Peresi, Luiz A.** (BR-SPL)**The derivation algebra of gametic algebra for linked loci.***Math. Biosci.* **91** (1988), *no.* 2, 151–156.

The study of the gametic algebra G for linked loci with recombination has played a prominent part in the development of the theory of genetic algebras. This paper deals with maps which constitute derivations over G . The concept of a derivation has taken on a new importance in this field since P. Holgate [*Linear Algebra Appl.* **85** (1987), 75–79; [MR0869346 \(88b:17044\)](#)] provided a practical interpretation in terms of a particular kind of time symmetry. The present paper utilizes results from the theory of Lie groups to show that the derivation algebra of G is isomorphic to a direct product of Lie algebras, involving terms arising in the description of inheritance associated with the separate loci.

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