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Scalar concomitants of a system of vectors in pseudo-Euclidean geometry of index 1. (English)

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In a pseudo-Euclidean n-dimensional space of index 1 every scalar concomitant of a system of m linearly independent vectors may be expressed by means of their mutual pseudo-scalar products.

Reviewer: Andrzej Szybiak (Waterloo/Ontario)

MSC:

53A55 Differential invariants (local theory), geometric objects
51B20 Minkowski geometries in nonlinear incidence geometry

Keywords:

geometrical object; scalar; covector; concomitant; signature