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Equivariant maps between certain G -spaces with $G = O(n - 1, 1)$. (English) Zbl 1031.53031
[Math. Bohem. 126, No. 3, 555-560 \(2001\)](#).

Summary: The authors determine all biscalars of a system of $s \leq n$ linearly independent contravariant vectors in n -dimensional pseudo-Euclidean geometry of index one. The problem is resolved by finding a general solution of the functional equation $F(Au_1, Au_2, \dots, Au_s) = (\text{sign}(\det A))F(u_1, u_2, \dots, u_s)$ for an arbitrary pseudo-orthogonal matrix A of index one and the given vectors u_1, u_2, \dots, u_s .

MSC:

[53A55](#) Differential invariants (local theory), geometric objects

Cited in **2** Documents

Keywords:

[G-space](#); [equivariant map](#); [vector](#); [scalar](#); [biscalar](#)

Full Text: [EuDML](#)