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Weakly non-negative quadratic forms (revisited)

Let q be a rational quadratic form in the variables $x_1, ..., x_n$. We say that q is (weakly) non-negative if for every vector y with (positive) non-negative coordinates, not all zero, we have $q(y) > 0$. Tits quadratic forms satisfying these properties are closely related to the representation type of algebras. We show some Jacobi-like criteria for weakly non-negativity and prove criteria for quadratic forms with rational coefficients (à la Cassel).