Simple Decompositions of the Exceptional Jordan Algebra

M. V. Tvalavadze

Abstract. This paper presents some results on the simple exceptional Jordan algebra over an algebraically closed field $\Phi$ of characteristic not 2. Namely an example of simple decomposition of $H(O_3)$ into the sum of two subalgebras of the type $H(Q_3)$ is produced, and it is shown that this decomposition is the only one possible in terms of simple subalgebras.