

FERMION-ANTIFERMION ASYMMETRY OF  
UNIVERSE

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S u m m a r y

In the framework of a new approach to the elementary particle problem, suggested in [3], fermion-antifermion and  $T$  asymmetries of fundamental particle creation mechanism underlying the approach, are considered. It is noted that  $T$  symmetry may be reconstructed if to undertake the Cayley-Dickson extension (doubling) of the Hamilton algebra with that our Universe is connected and to go over to the Cayley algebra as the base structure of whole system = Universe + Antiuniverse (the latter is characterized by negative energies). We show that with such an extension the fundamental  $su(2)$ -isotopic structure of our Universe is connected.