S-SEMIFIELDS AND S-SEMIVECTOR SPACES

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In this note we define the notion of Smarandache semifields (S-semifields) and Smarandache semivector spaces (S-semivector spaces). We define two levels of S-semifields. Prove some interesting results in this direction. Also the notion of S-anti semifields are defined and we prove a ring or a field which has a S-anti semifield then S is a S-anti semifield. Using a S-semigroup we define the notion of S-semivector spaces and define properties like S-linear transformation. Further the concept of S-anti semivector spaces is also defined. Several examples are given to make one understand these new concepts.