On new approaches in the description of the stationary electric field inside the dielectric media and at their interface

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The article presents analysis of the known images of stationary electric field inside the dielectric media and at their interface and notes paradoxical nature in these images represented by the various vectors — electrical voltage and electrical induction. We offer other options of fields images that lack the mentioned paradox. However, these options require revision of the established ideas, in particular, the notions of breaking the lines of the electric induction at the interface of two media and the strengthening of the electric displacement inside the dielectric. A new model to explain the behaviour of the electric vector on the boundary between two media is suggested.

Keywords: *electric field, the electric vectors, dielectrics, the principle of superposition.*

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