



## Static spherically symmetric space-time and nonlinear spinor field

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**Abstract.** We studied nonlinear spinor fields in the framework of a static spherically symmetric space-time. In doing so we have suggested a rather simple method to solve the corresponding Einstein equations. As an example, a nonlinear spinor field was considered. The corresponding equations were solved analytically and numerically.

**Keywords:** spinor field, spherically symmetric model

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