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Maxim Zyskin* (Maxim.Zyskin@utb.edu). *Integrable n -field model on a triangular domain.*

We obtain solution of a class of boundary value problems for integrable n -field equation on a triangular domain, using non-conventional methods. Lower energy bound is obtained by algebraic methods; matching upper energy bound is obtained by an explicit construction (Received September 22, 2011)