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## Walls of massive Kahler sigma models on $SO(2N)/U(N)$ and $Sp(N)/U(N)$

*Monday, August 29, 2011 12:15 PM (20 minutes)*

We study the Bogomol'nyi-Prasad-Sommerfield wall solutions in massive Kähler nonlinear sigma models on  $SO(2N)/U(N)$  and  $Sp(N)/U(N)$  in three-dimensional spacetime. We show that  $SO(2N)/U(N)$  and  $Sp(N)/U(N)$  models have  $2^{N-1}$  and  $2^N$  discrete vacua, respectively. We explicitly construct the exact BPS multiwall solutions for  $N \leq 3$ .

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