The 6th international conference on particle physics and astrophysics



Contribution ID : 326

Type : Poster

On estimates of long-range kink-antikink forces

Tuesday, 29 November 2022 17:10 (15)

We obtain estimates for the kink-antikink force of interaction. We consider the case of kinks with power-law asymptotics, which is used, in particular, to model thick domain walls. We use a method based on a special type of field approximation between a kink and an antikink.

Primary author(s) : Mr. BLINOV, Petr (Moscow Institute of Physics and Technology); Ms. GANI, Tatiana (M. V. Lomonosov Moscow State University); Mr. MALNEV, Alexander (Moscow Institute of Physics and Technology); Dr. GANI, Vakhid (NRNU MEPHI)

Presenter(s): Mr. BLINOV, Petr (Moscow Institute of Physics and Technology)

Session Classification : Poster Session

Track Classification : High energy physics: theory