## The 5th international conference on particle physics and astrophysics



Contribution ID : 774 Type : Poster

## From thin to thick domain walls: An example of the $\phi^8$ model

Monday, 5 October 2020 19:45 (15)

Based on the explicit formulas found for the kink solutions of the  $\phi^8$  model, we show that for certain values of the constants, kink-like solutions with power-law asymptotics arise in the model, describing, in particular, thick domain walls. Objects of this kind could be of interest for modern cosmology.

Primary author(s): Mr. BLINOV, Petr (MIPT); Dr. GANI, Vakhid (NRNU MEPhI); Dr. MORADI MARJANEH,

Aliakbar (Islamic Azad university, Quchan, Iran) **Presenter(s):** Mr. BLINOV, Petr (MIPT)

**Session Classification :** Poster session

Track Classification: HEP theory