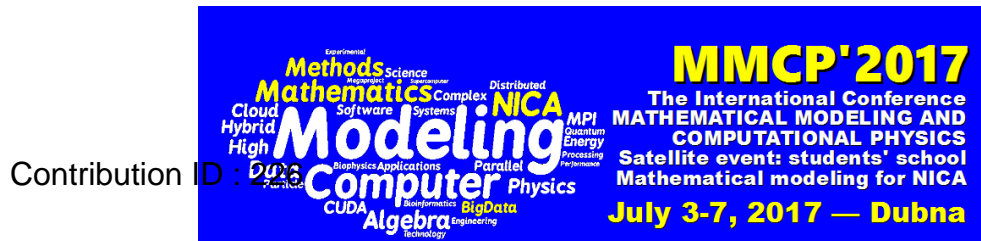


# International Conference “Mathematical Modeling and Computational Physics, 2017” (MMCP2017)



## Model of phase transition mimicking cold quark-hadron mixed phase

Monday 03 Jul 2017 at 18:00 (00h30')

### Content :

Possible hadron-quark phase transition in the interior of the compact stars is one of actual question nuclear physics. Usually modeling of this transition are made with use of so called Maxwell construction, where the two phases assumed to be separated. However due to surface tension effects the mixer of phases could be thermodynamically more sufficient. We have suggested a simple model of such a mixed phase equation of state parametrized by impact of structure of phase mixing in pressure  $\Delta P$ .

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