

Game-Method for Modeling And WRF-Fire Model Working Together

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In this paper we are going to evaluate the wind field distribution in case of wildland fire. In the WRF-Fire model and the Game-Method for modeling we consider the wind as an average approximation with certain direction. In reality this is not the case. The wind is non stable and has unexpected turns in direction. That is why we decided to consider an approach which represent the wind as random field with stochastic approximation. In this work we will describe possibility for implementation of Monte Carlo (MC) methods for wind field variations in real wildland fire simulation.