COMBINING DYNAMICAL AND STATISTICAL ENSEMBLES – THE SCIENCE BEHIND THE DIME PROJECT

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Prediction of real world systems, e.g. numerical weather prediction always has to cope with several sources of uncertainty and error [1]. Model imperfections lead to a wrong prediction of the future, even for accurate input data. Furthermore, accurate input data is almost never available as well, leading again to deterioration of the prediction. Even if the model was correct, noisy data lead to indistinguishable states [2], i.e. predictions which are equally likely 0 -10.9E161 0 -10b4ually

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