

DATA BASED APPROACH TO THE MODELLING OF HIGH ENERGY ELECTRON FLUXES WITHIN THE OUTER RADIATION BELT.

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The comparison between first principles based and data based approaches to wards forecasting of electron fluxes within the radiation is presented. The data based forecast provides accurate forecast but only at GEO. First principle based models that currently operate online are able tp provide forecast in the whole region of the outer radiation belt but the quality of their forecast is rather low. It is shown that a combination between these two types of models can overcome the disadvantages of both approaches.