Analyses of Dst response to solar wind using neural network method

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http://www.crl.go.jp/uk/uk223/service/nnw/index.html

   A good NN model trained on a statistically broad range of natural events should reflect the properties of actual events. Conversely, this supposition confirms the model for prediction capability. This capability is very important for reflecting the effects of solar wind parameters, which can be buried under the stronger effects of other parameters, like Bz. It seems that magnitude of Dst saturates in long duration of negative Bz depends on decreasing solar wind velocity.