

Prediction of the Amplitude in Sunspot Cycle 24

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A few prediction methods have been developed using the '*precursor*' techniques and are found to be successful. On the basis of geomagnetic activity aa indices during the descending phase of the preceding cycle, we have established an expression which predicts the maximum annual mean sunspot number in cycle 24 to be 144 ± 18 . This indicates that cycle 24 would also be a highly active cycle but not equal to last three solar cycles.. We also predict the average geomagnetic activity aa index during the ascending phase of cycle 24 to be 18 ± 3.5 .