Solar activity forecast model supported with artificial intelligence technique

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Many measures are usually employed in operational solar activity forecast models. Different measures provide deferent occurring probability of solar activity. A artificial intelligence techniques provides us a best weighting function for deferent measures, which determines outputs of a forecast model. There are two important tasks in modeling of solar activity forecast. One is selection of proper measures, and the other is development of new artificial intelligence techniques. Solar activity forecast models supported with new artificial intelligence techniques will be developed in National Astronomical Observatories , Chinese Academy of Sciences . These models will be integrated into one operational forecast system..