

Development of nonhydrostatic Double Fourier Series  
global spectral Model (DFSM) and  
Global 7km mesh Model Intercomparison Project for  
improving TYphoon forecast (TYMIP-G7)

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We have improved DFSM by modifying double Fourier series basis functions. We introduce some results of the 7km typhoon prediction experiments in TYMIP-G7.