Redes complexas multi-camadas para detecção de eventos meteorológicos severos a curtíssimo prazo

Aurelienne Aparecida Souza Jorge

Instituto Nacional de Pesquisas Espaciais (INPE)

aurelienne@gmail.com

Observational weather data is important for extreme weather forecasting. How can the Complex Networks approach contribute to this? Our first results were obtained using weather radar data in the area of Tamanduatei basin, metropolitan region of São Paulo. We have shown that nodes with high average path length are in the highest areas of the basin and the hubs are along the main river.