

Colloquium

On the numerical solutions for blow-up problems

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In many evolution equations, the solutions may become unbounded in finite time, a phenomenon which is known as blow-up. Numerical methods give good approximation when solutions are smooth. However, singularities occur in finite time for the problems we are dealing with. How to compute the blow-up solutions and the blow-up time are of particular interests. In this talk, we report our recent results on the numerical approximation for such kind of problems.

～本次演講亦歡迎大學部同學參加～