

Redução de atributos na teoria dos conjuntos aproximativos aplicada à mineração de dados meteorológicos

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The changes in the chemical composition of the atmosphere due to reactions between its components have significant impact in the agriculture, population health, economics and other factors. A chemical kinetics model can be coupled to a numerical model of weather or climate prediction, but its computational cost is very high, hindering their operational use. This paper investigates the parallelization of the chemical kinetics model of CPTEC/INPE using graphic accelerators cards.