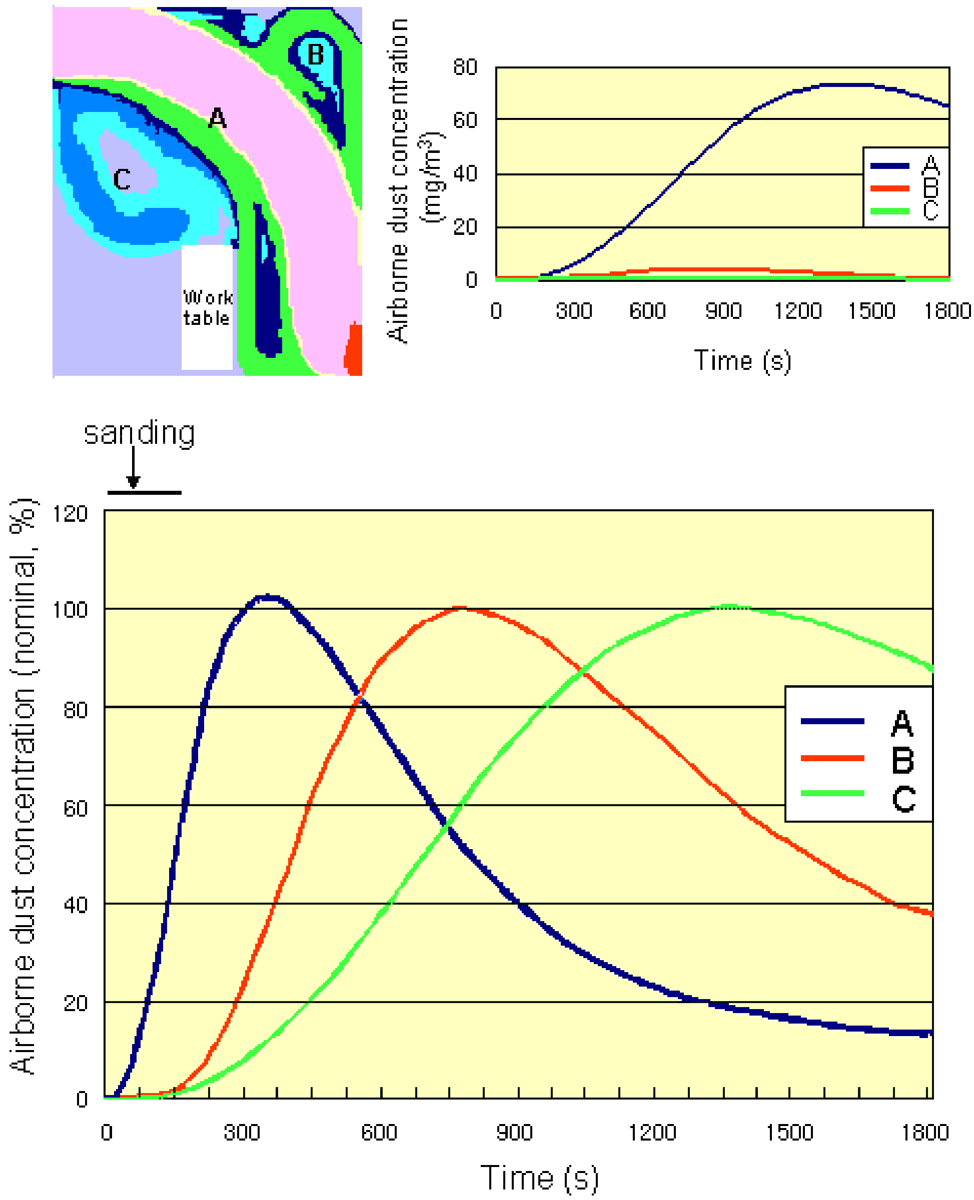
1998

Prediction of Air-borne Dust Concentration (A.D.C.)in Woodworking Chamber

—Influence of Woodworking Conditions on A.D.C. Distribution—

The state of the airflow in a chamber was analyzed using the finite element method (FEM). Based on the distribution of the speed vector for the air flow and the rate of dust emission from the woodworking machines in the chamber, the distribution of the airborne dust concentration was predicted using a numerical method.



Time change of airborne dust concentration oat three points.
***Sanding was stopped at 180s.**