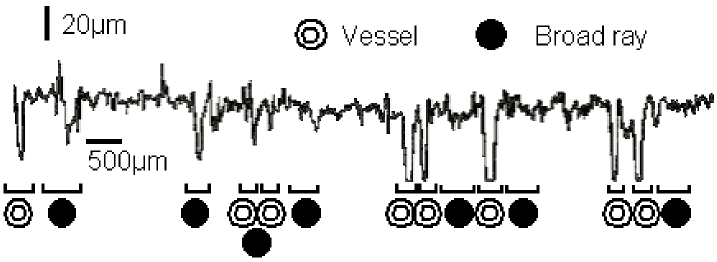
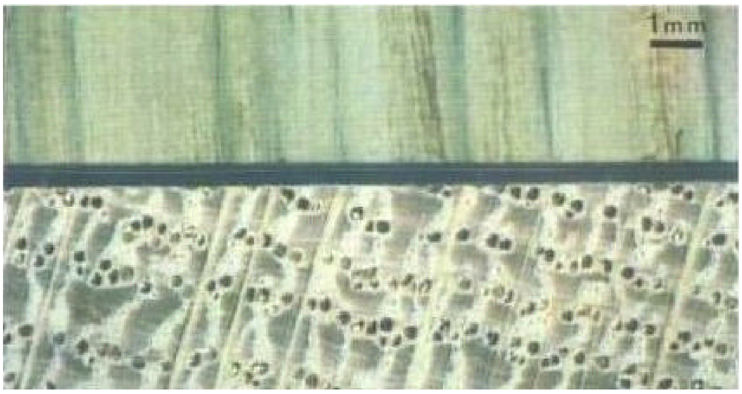
1997

Evaluation of Surface Roughness of Machined Wood Surface Using Skewness and Kurtosis

To establish the quantitative surface roughness parameters for wood and wood products, it is important to relate the surface roughness and surface irregularities. In this study, the shapes of primary profiles were connected with surface irregularities derived from wood structures. And the surface roughness of machined wood surface was evaluated by surface roughness parameters of Skewness and Kurtosis. Those parameters could not clearly explain the difference between the milling and the planing of a wood surface.

Relationship between shape of primary profile and cellular structure of wood





Relationship between distribution of roughness parameter and processing