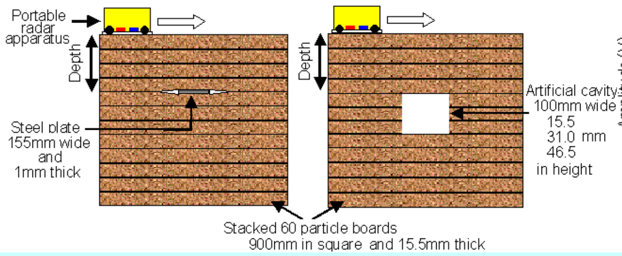
2000

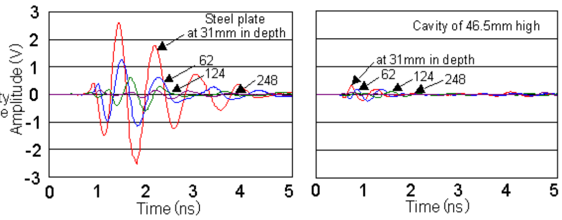
Nondestructive Detection of Biodegradation in Wooden Construction

- Detection of Rot and Cavity using Radar Technique –

Scanning using portable radar apparatus was applied to detect biodeterioration of wooden constructions nondestructively and the feasibility of the technique was compared with the drilling resistance measurement and the distribution of water content.

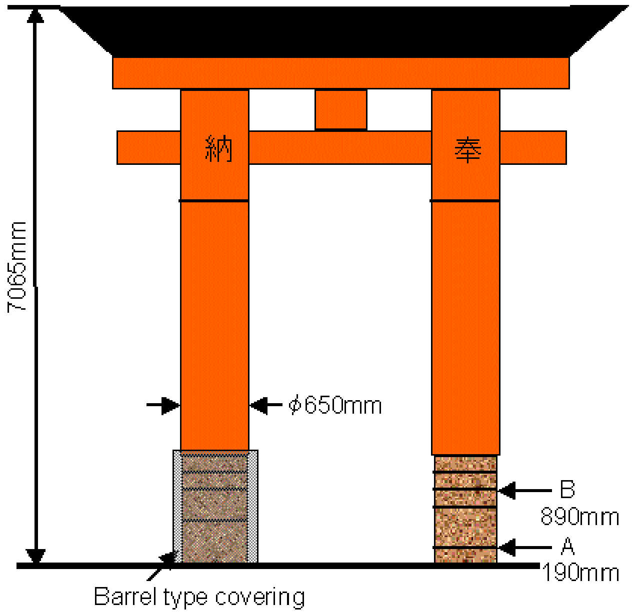
Detection of artificial internal defects(steel plate or cavity) using radar





Changes of received wave in A scope mode for different positions of internal defects

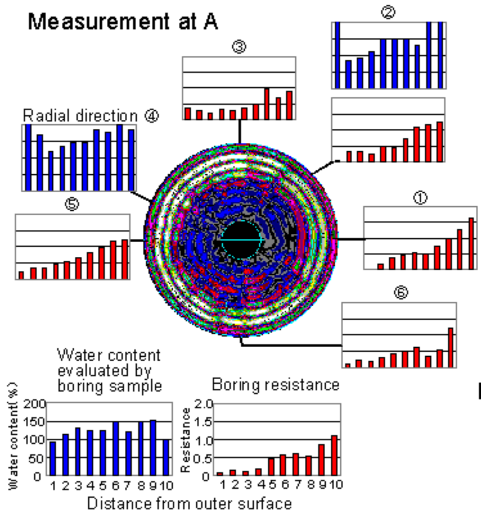
Diagnose of internal defects of wooden "Torii archway" at a shinto

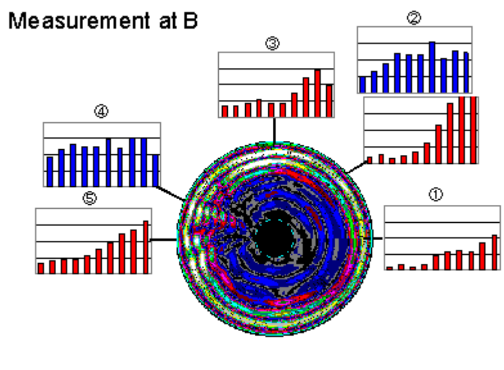


Scanning using radar apparatus

Measurement of boring resistance

Sampling by increment borer





B scope modes compared with the distributions of water contents and boring resistance