

3D Modeling of Japanese Old Castle using Laser Profiler on Ground

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Creation of the 3-dimensional data of a cultural property is important from the point of preservation, restoration, and management. On the other hand, Laser profiler provides quickly acquirable of 3D data. Kanazawa Castle is rebuild in 2001, since it fell down by fire in 1881. Kanazawa Castle was selected as a study property, was surveyed using Laser profiler on ground. Accuracy was calculated by comparison with acquired data from Laser profiler and one from Total Station. The accuracy is nearly correspond with the resolution of Laser profiler.