

ABSTRACT

To provide a building computer graphics image generating device that can reduce the time taken to generate a computer graphics image of a building when glass to be used for the building is changed. There is provided a building computer graphics image generating device including: a ray tracing processor that generates, by using ray tracing, multiple computer graphics (CG) images of a building including one or more types of glass; and a synthesizer that synthesizes, by using the multiple CG images, a CG image corresponding to one or more transmittances and one or more reflectances of one or more selected types of glass. The transmittance of a first type of glass of the one or more types of glass in a first CG image of the multiple CG images is different from the transmittance of the first type of glass in a second CG image of the multiple CG images. The reflectance of the first type of glass in a third CG image of the multiple CG images is different from the reflectance of the first type of glass in a fourth CG image of the multiple CG images.