

ABSTRACT

Disclosed are a point cloud encoding and decoding method, an encoder, a decoder and a computer storage medium. The method comprises: acquiring geometric information and attribute information of an input point cloud; determining a maximum allowable value of a sampling period when the input point cloud is subjected to level-of-detail (LOD) division; determining a preset value of the sampling period on the basis of the maximum allowable value of the sampling period; processing the input point cloud according to the preset value of the sampling period and the geometric information, so as to obtain at least one refinement layer and at least one detail layer; and encoding the attribute information by using the at least one refinement layer and the at least one detail layer, so as to generate a code stream, and writing the preset value of the sampling period into the code stream.

Fig. 3