

ABSTRACT

The embodiments of the present disclosure provide methods and apparatuses for generating point cloud completion network and methods, apparatuses and systems for processing point cloud data. First point cloud data is acquired from a first point cloud completion network based on one or more latent space vectors that are acquired through sampling in latent space, and a second point cloud completion network is generated by adjusting the first point cloud completion network based on a points-distribution feature of the first point cloud data. Since the points-distribution feature of the point cloud data is taken into consideration during generating the second point cloud completion network, the trained second point cloud completion network is capable of correcting the points-distribution feature of the point cloud data, and thus outputting the point cloud data with a relatively even points-distribution feature.

[Fig. 3]