

ABSTRACT

The embodiments of the present disclosure provide a method, an apparatus and a system for generating a point cloud completion network. The method includes: acquiring first point cloud data by inputting a latent space vector into a pre-trained first
5 point cloud completion network; acquiring real point cloud data collected for a real object in a physical space; for a real point in the real point cloud data, selecting a preset number of points adjacent to the real point from the first point cloud data as neighbor points of the real point; generating second point cloud data based on the neighbor points in the first point cloud data of a plurality of real points; acquiring a second point cloud
10 completion network by adjusting the first point cloud completion network based on a difference between the second point cloud data and the real point cloud data.

[Fig. 2]