

LEVEL OF DETAIL MANAGEMENT WITHIN VIRTUAL ENVIRONMENTS

ABSTRACT

A level of detail (LOD) management method comprises receiving one or more media content item publishing requests; publishing one or more media content items to at least one cell representing at least one area of interest from at least one portion of a virtual environment; measuring a distance within the virtual environment between at least one user graphical representation representing a subscribing client device and one or more published media content items; receiving at least one subscription request from the subscribing client device to subscribe to one or more published media content items; calculating priority data based on the measured distance; adjusting the level of detail of a viewing field per user graphical representation in the corresponding cell based on the level of priority; and sending the adjusted level of detail along with the subscribed media content item to the subscribing client device.

Fig. 1