

## ABSTRACT

An information processing apparatus and an information processing method adapted for representing objects of various shapes as two-dimensional graphic or three-dimensional graphic to change corresponding object so as to take various states within three-dimensional virtual space. Among prepared plural three-dimensional attitudes of object, attitude A0 is selected as reference attitude. Vectors serving as rotation axes when rotation is made from the reference attitude to attitudes A1, A2 are multiplied by their rotational angles as length, and are multiplied by weighting coefficients corresponding to an input signal inputted by allowing user to operate an input unit. Further, those vectors are synthesized to thereby synthesize (generate) vector serving as new axis of rotation. By rotating the object in the state where that vector is caused to be axis of rotation and its length is caused to be rotation angle, target attitude An is obtained.



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