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(57) Abstract :
Exemplary embodiments of the present disclosure are directed towards a system and method for human-computer interaction using manual hand gestures, comprising: one or more ultrasonic sensors electrically coupled to a first processing device, the one or more ultrasonic sensors configured to sense hand gestures of a user, the one or more ultrasonic sensors also configured to provide the hand gestures as an input to the first processing device, the first processing device configured to calculate distance of sound waves between the one or more ultrasonic sensors and the hand gestures of the user, the first processing device configured is also configured to communicatively connected with a computing device, the computing device comprises a second processing device configured to execute an AutoGUI module, the computing device configured to process and calculate the distance values through the AutoGUI module, the AutoGUI module configured to execute one or more computer graphics functions requested by the user. Fig. 1

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