

Hand gesture recognition applied in computer program control

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Abstract: This topic aims to research and implement a hand gesture recognition system for controlling computer programs, meeting the increasing user demand for natural interfaces. By combining theoretical and experimental methods, the topic will analyze modern algorithms in this field and apply them in practice. The ultimate goal is to build an efficient, user-friendly, and flexible system, contributing to improving the user experience when interacting with computers.

Keywords: hand gesture recognition, computer control, image recognition algorithm, natural user interface