

ABSTRACT

An object of the present invention is to make it possible to specify a background image area, a moving object image area, and an image area in which the mixture of the background image area and the moving object image area occurs. A mixture-ratio calculator 103 extracts pixel data of a peripheral frame corresponding to a designated pixel of a designated frame of the image data as background pixel data corresponding to a background object, and also extracts designated pixel data of the designated pixel contained in the designated frame so as to generate a plurality of relational expressions indicating the relationship between the designated pixel data and the background pixel data. The mixture-ratio calculator 103 detects the mixture ratio indicating the mixture state of the objects based on the relational expressions. An area specifying unit 104 calculates a predictive error by substituting the detected mixture ratio into the relational expressions, and determines whether an area to which the designated pixel belongs is a covered background area, an uncovered background area, a foreground area, or a background area. The present invention is applicable to an image processing apparatus.



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