

## ABSTRACT

IMAGE PROCESSING DEVICE, IMAGE PROCESSING METHOD AND  
PROGRAM DISTRIBUTION MEDIUM AND DATA DISTRIBUTION  
MEDIUM FOR PROCESSING IMAGES

An image processing device and method for processing an image defined by a combination of unit graphic forms or polygons are provided with an interpolated line completion unit which determines an interpolated line which is the line that interpolates a space between two vertices from an interpolation vector used to determine a line interpolating a space between a given vertex and another vertex among vertices of the unit graphic forms and from the coordinates of those vertices. An interpolated point computation unit is provided which determines as vertices of sub-unit graphic forms or subpolygons into which the polygons are to be split by the processing image device, interpolated points which are the points on the interpolated line. The interpolated line is a Bezier curve. The device further has an input unit which is operated when input is given thereto, a geometry processing unit which reads data concerning the image from a recording medium and performs geometry processing and a conversion unit which converts sub-unit graphic forms or subpolygons into the subpolygons in the coordinate system of a two-dimensional output device.

Figure 1