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ABSTRACT



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The present invention relates to an image processing apparatus for generating an image having a high density in the direction of time and having a natural-looking motion blur. The correlation calculators 103 and 104 respectively calculate a correlation between pixel data of a target pixel in a target frame #n from among frames and pixel data of a corresponding pixel in a first frame #n-1 next to the target frame #n and a correlation between the pixel data of the target pixel in the target frame #n and pixel data of a corresponding pixel in a second frame #n+1 next to the target frame #n. The half-side pixel value generator 105 generates first pixel data in a first synthesis frame generated between the target frame #n and one of the first frame #n-1 and the second frame #n+1 containing the corresponding pixel having the pixel data with a larger correlation. The half-side pixel value generator 106 generates second pixel data in a second synthesis frame generated between the target frame #n and the other of the first frame and the second frame, based on the target pixel data and the first pixel data.