

ABSTRACT OF THE DISCLOSURE

An image processor and a color printing apparatus to which the image processor is applied, the image processor having the function of binary-coding color tone image data so that the image data can be outputted to apparatuses not having a pixel-based tone control system. The image processor includes a first color component binary-coding means for binary-coding a first color component, a second color component binary-coding means for binary-coding a second color component, a second color component threshold controlling means for the second color component binary-coding means, the second color component threshold controlling means increasing or decreasing a second color component binary-coding threshold in accordance with a binary-coded result OFF or ON of the first color component, a third color component binary-coding means for binary-coding a third color component, and a third color component threshold controlling means for the third color component binary-coding means, the third color component threshold controlling means increasing or decreasing a third color component binary-coding threshold not only by referring to at least the binary-coded result of the first color component or the binary-coded result of the second color component, but also in accordance with only a binary-coded result OFF or ON of the referred color component dot.

