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attenuation with which the optical system attenuates the frequency.

15. The method as recited in claim 11 wherein the first and second array of digital pixels, and an intermediate array of digital pixels, contain substantially perpendicular rows and columns of pixels, and wherein the method further comprises the step of converting the digital pixel values contained in a column of pixels of the first array of digital pixels to digital pixel values that are stored in a column of pixels of the intermediate array of digital pixels.

16. The method as recited in claim 15 wherein the sinc digital filter further comprises the step of converting the digital pixel values contained in a row of pixels of the intermediate array of digital pixels to digital pixel values

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that are stored in a row of pixels of the second array of digital pixels.

17. The method as recited in claim 16 wherein a prescaled digital array of pixels contains mutually perpendicular rows and columns of pixels, and wherein the method further comprises a step of converting the digital pixel values contained in a set of rows of pixels of the first array of digital pixels to digital pixel values that are stored in a row of pixels of the prescaled digital array of pixels, and wherein the intermediate array of digital pixels is derived from the prescaled array of digital pixels.

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