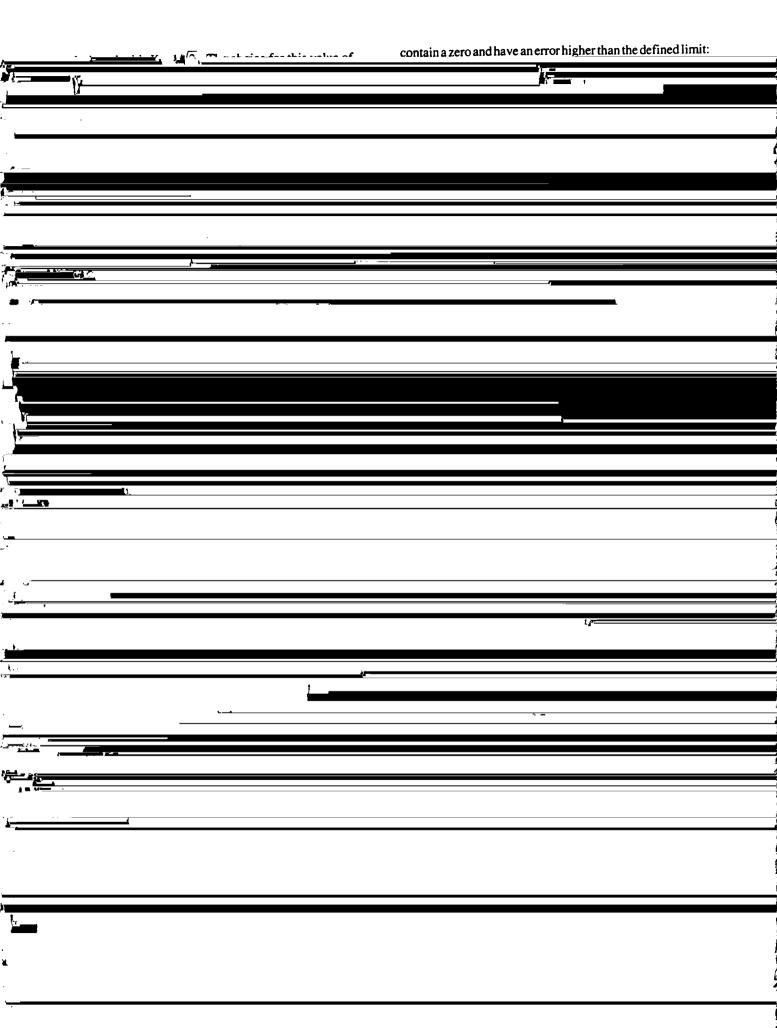


Thus for a B-bit image f(i,j), the blue noise mask array m(i,j) is a B-bit array such that, when thresholded against f(i,j), up to  $2^{g}$  levels of varying distribution of black and white dots can be represented on a rectangular grid. The binary pattern

## 2.2 Blue Noise

The dot profiles for every level are designed to be locally aperiodic and isotropic binary patterns with small low frequency components, which in the halftoning literature are

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