$F_{n}(x)$ is called the line-element function of $f_{n}(x)$. Both functions are normalized to the surround value: $\frac{d[F_{\mathbf{u}}(x)]}{dx} = f_{\mathbf{u}}(x)$ [1] $F_{\mathbf{u}}(x) = \int \frac{f'_{\mathbf{u}}(x)}{f(x)} dx$ [2]

Line-element examples for grey samples $(0,2 \le x \le 5)$

Example for the normalized functions with $x_n=1$:

$$F_{\mathbf{u}}(x) = \frac{F(x)}{F(x_{\mathbf{u}})} = \frac{\ln(1+\mathbf{b}x)}{\ln(1+\mathbf{b})}$$
 [3]

 $f_{\mathbf{u}}(x) = \frac{f(x)}{f(x_{-})} = \frac{1+bx}{1+b}$ [4]

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