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

 $F_{\mathbf{u}}(x)$ is called the line-element function of $f_{\mathbf{u}}(x)$.
Both functions are normalized to the surround value:
 $\frac{d[F_{\mathbf{u}}(x)]}{dx} = f_{\mathbf{u}}(x)$ [1]
 $F_{\mathbf{u}}(x) = \int \frac{f'(\mathbf{u})}{f_{\mathbf{u}}(x)} dx = \int \frac{\mathbf{b}}{1+\mathbf{b}x} dx$ [2]
Example for $L^*(x) \& \Delta Y$ with $x=Y/Y_{\mathbf{u}}$, $x_{\mathbf{u}}=1$, $\mathbf{b}=6,141$:
 $L^*(x) = \ln(1+\mathbf{b}x)$

$$L_{\mathbf{u}}^{*}(x) = \frac{L^{*}(x)}{L^{*}(x_{\mathbf{u}})} = \frac{\ln(1+bx)}{\ln(1+b)}$$
[3]
$$f_{\mathbf{u}}(x) = \frac{\Delta Y}{\Delta Y_{\mathbf{u}}} = \frac{1+bx}{1+b}$$
[4]

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