

Do stretchy characters in \TeX influence intrinsic widths?

$$\begin{array}{r}
 \sum_{i=0}^{10} i \\
 \sum_{i=0}^{10} \frac{1}{i+1} \\
 \int_0^1 \frac{1}{x+1} dx \\
 \int_0^1 x dx
 \end{array}
 \qquad
 \begin{array}{l}
 \sqrt{\frac{1}{\pi+1}} \\
 [1] \\
 | 1 | = 1 \\
 \begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix} \\
 \left| \begin{array}{ccc} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{array} \right| = 1 \\
 (x) \\
 \left(\int_1^{\infty} \frac{1}{x} dx \right) \\
 (1) \\
 \begin{pmatrix} 1 \\ 2 \\ 3 \end{pmatrix} \\
 \begin{pmatrix} 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \end{pmatrix}
 \end{array}$$

In inline math, we have $\sum_{i=0}^{10} i$, $\sum_{i=0}^{10} \frac{1}{i+1}$, $\int_0^1 \frac{1}{x+1} dx$, and $\int_0^1 x dx$.