Scalable monospaced bitmapped fonts in XYPlot

⊞—Lucida ──

⊞—Franklin ──

⊞—Georgia ───

```
! " # $ % & ' ( ) * + , - . /
0 1 2 3 4 5 6 7 8 9 : ; < = > ?
@ A B C D E F G H I J K L M N O
P Q R S T U V W X Y Z [ \ ] ^ _
` a b c d e f g h i j k l m n o
p q r s t u v w x y z { | } ~
```
Lucida

```
! " # $ % & ' ( ) * + , - . /
0 1 2 3 4 5 6 7 8 9 : ; < = > ?
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```
Franklin

```
! " # $ % & ' ( ) * + , - . /
0 1 2 3 4 5 6 7 8 9 : ; < = > ?
@ A B C D E F G H I J K L M N O
P Q R S T U V W X Y Z [ \ ] ^ _
` a b c d e f g h i j k l m n o
p q r s t u v w x y z { | } ~
```
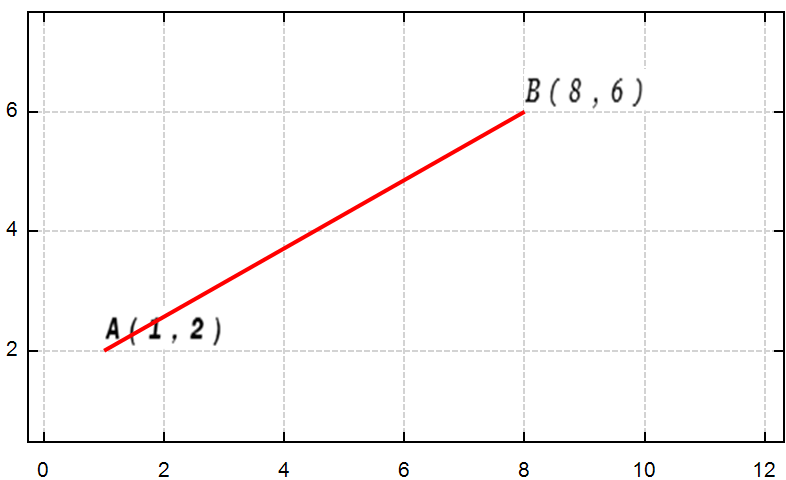*Georgia*

$C\$:= $ `"!"#$%&'()*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz`

$$txt\,(T,\,F) := \begin{Vmatrix} \left[\, n := 14 \quad p := [1..n] \quad m := 20 \quad q := [1..m] \,\right] \\[4pt] \left[\, N := \max\left(\overrightarrow{\mathrm{strlen}\,(T)}\right) \quad t := \mathrm{matrix}(0,\, n \cdot N) \,\right] \\[4pt] C\,(s) := \begin{vmatrix} a := \max\left(\mathrm{stack}\left(\mathrm{findstr}\,(C\$,\, s),\, 0\right)\right) \\ F \\ \quad q + m \cdot \mathrm{trunc}\left(\dfrac{a}{16}\right)^{p + n \cdot \mathrm{mod}(a,\,16)} \end{vmatrix} \\[6pt] \mathbf{for}\ \ r \in [1..\mathrm{rows}\,(T)] \\ \quad \begin{vmatrix} \tau := \mathrm{matrix}(m,\,0) \\ \mathbf{for}\ \ c \in [1..N] \\ \quad \tau := \mathrm{augment}\left(\tau,\, \mathbf{if}\ \ \mathrm{strlen}\left(T_r\right) < c \atop {C\,("\ ") \atop \mathbf{else} \atop C\left(\mathrm{substr}\left(T_r,\, c,\, 1\right)\right)}\right) \\ t := \mathrm{eval}\left(\mathrm{stack}(t,\, \tau)\right) \end{vmatrix} \\[4pt] t \end{Vmatrix}$$

$$pos\,(X,\, PX,\, k) := \mathrm{stack}\left(X_1,\, X_2,\, \dfrac{\mathrm{cols}\,(PX)}{k \cdot 20},\, \dfrac{\mathrm{rows}\,(PX)}{k \cdot 14}\right)$$

$A := [\,1\ 2\,]$ $\qquad\qquad\qquad B := [\,8\ 6\,]$

$PA := txt\left([\,"A(1,2)"\,],\ Franklin\right)$ $\quad PB := txt\left([\,"B(8,6)"\,],\ Georgia\right)$

$$\left[\left[\,\mathrm{stack}\left("image:\{PA\}",\, [\,pos\,(A,\, PA,\, 2)\,]\right),\, "transparent",\, "line",\, 1\right]\right]$$

$$\left\{\left[\left[\text{stack}\left("image:\{PB\}", \left[\text{pos}(B, PB, 2)\right], "transparent", "line", 1\right)\right]\right]\right.$$
$$\left.\text{stack}(A, B)\right.$$

$$T1 := \begin{bmatrix} "Volvera\ la\ alegria" \\ "a\ enredarse\ con\ tu\ voz." \\ "A\ medirse\ en\ tus\ manos" \\ "y\ a\ apoyarse\ en\ tu\ sudor." \end{bmatrix} \qquad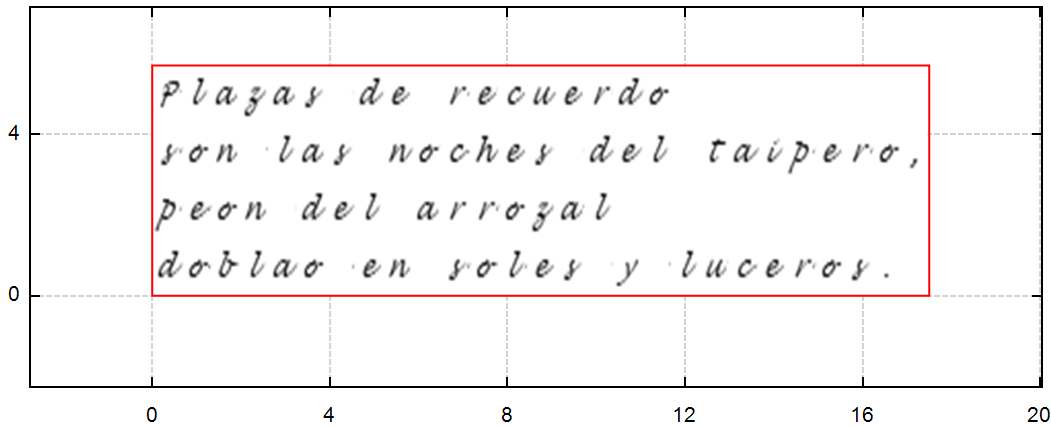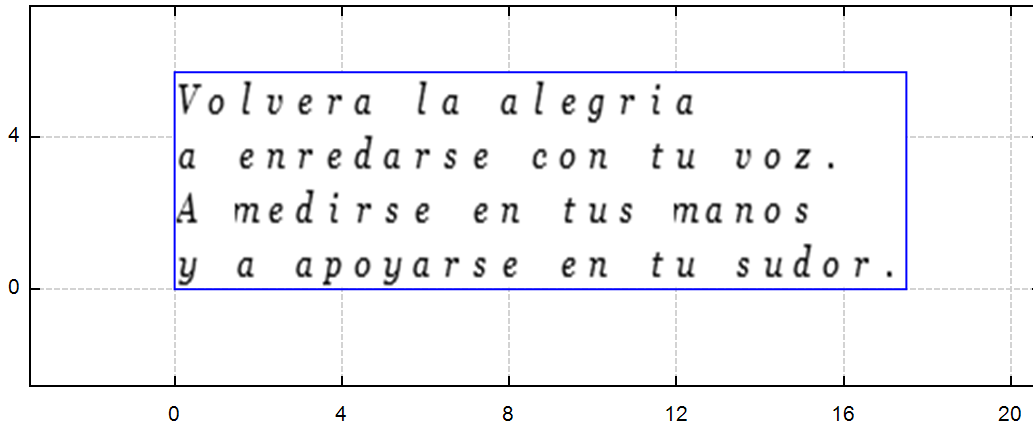 T2 := \begin{bmatrix} "Plazas\ de\ recuerdo" \\ "son\ las\ noches\ del\ taipero," \\ "peon\ del\ arrozal" \\ "doblao\ en\ soles\ y\ luceros." \end{bmatrix}$$

$$t1 := txt(T1, Georgia) \qquad\qquad t2 := txt(T2, Lucida)$$

$$P1 := \left[\left[\text{stack}\left("image:\{t1\}", \left[pos\left(\begin{bmatrix} 0 & 0 \end{bmatrix}, t1, 1\right)\right], "blue", "line", 1\right)\right]\right]$$

$$P2 := \left[\left[\text{stack}\left("image:\{t2\}", \left[pos\left(\begin{bmatrix} 0 & 0 \end{bmatrix}, t1, 1\right)\right], "red", "line", 1\right)\right]\right]$$

Alvaro $\qquad$ appVersion$(4)=$"1.2.9018.0"