Working with english characters:

$$(-1.328\,65 \pm 0.502\,73) \cdot 10^{-6}$$

$$\frac{123}{456}$$

$$\frac{1}{100} \cdot 10^{6}$$

$$\left(\frac{1}{100} \pm 1.2\right)$$

$$\left(1.3^{+1.2}_{-0.3}\right) \cdot 10^{3} \ \mathrm{erg} \ \mathrm{cm}^{-2} \ \mathrm{s}^{-1}$$

$$\left(\frac{123}{456} \pm 1.2\right) \ \mathrm{erg} \ \mathrm{cm}^{-2} \ \mathrm{s}^{-1}$$

$$1{,}123'8 \cdot 10^{-2} - 3{,}086'8 \cdot 10^{5}$$

$$(1 \text{ to } 2) \cdot 10^{3} \ \frac{\mathrm{m}}{\mathrm{s}^{2}}$$

Работа пакета с русскими символами:

$$(-1.328\,65 \pm 0.502\,73) \cdot 10^{-6}$$

$$\left(1.3^{+1.2}_{-0.3}\right) \cdot 10^{3} \ \mathrm{эрг} \ \mathrm{см}^{-2} \ \mathrm{с}^{-1}$$

$$1{,}123'8 \cdot 10^{-2} - 3{,}086'8 \cdot 10^{5}$$

$$(1 \text{ до } 2) \cdot 10^{3} \ \frac{\mathrm{м}}{\mathrm{с}^{2}}$$

Working with undefined characters (English by default)

$$(-1.328\,65 \pm 0.502\,73) \cdot 10^{-6}$$

$$\left(1.3^{+1.2}_{-0.3}\right) \cdot 10^{3} \ \mathrm{erg} \ \mathrm{cm}^{-2} \ \mathrm{s}^{-1}$$

$$1{,}123'8 \cdot 10^{-2} - 3{,}086'8 \cdot 10^{5}$$

$$(1 \text{ to } 2) \cdot 10^{3} \ \frac{\mathrm{m}}{\mathrm{s}^{2}}$$

Working with monetary unit:

$$55.36\,\$$$

$$1\,150{,}57\,€$$

$$1\,000\,000\,¥$$