$$L\{f(t)\} \equiv F(s) = \int_0^{\infty} e^{-st} f(t) dt$$

$$e = \sum_{k=0}^{\infty} \frac{1}{k!}$$

$$m\ddot{y} = -mg + C_D \cdot \frac{1}{2} \rho \dot{y}^2 \cdot A$$

$$\int_0^{\infty} x^2 e^{-x^2} dx = \frac{\sqrt{\pi}}{4}$$

reference rendering

generated

Table 1: Test case completion summary

No.	Test case	Plot	PDF	TikZ
69	`latexmath2`	passed	passed	passed

Suite	ACID
Created	13-Feb-2015 21:35:40
OS	Microsoft Windows [Version 6.3.9600]
MATLAB	8.4
TikZ	2010/10/13 v2.10 (rcs-revision 1.76)
Pgfplots	2012/10/26 v1.7 Data Visualization (1.7-2-ge24fff4)