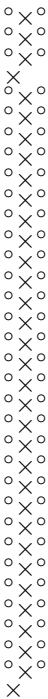


2019fullreporten.pdfREN212019globalstatusreport568GW23GW36%20%??200124GW2001–
201026%2010198GW2010–
201417%2013319GW201313%??201718GW36%201821GW45%
*

2019fullreporten.pdfREN212019globalstatusreportHistoricalevolutionofwindenergycapacity.Source : [https : //www.](https://www.)

\times
 ms^{-1}
????
??
??
??



(1)
$$\frac{U_2}{U_1} = \left(\frac{z_2}{z_1}\right)^\alpha$$
$$U_2U_1z_2z_1\alpha\alpha$$

(2)
$$f(x)=\frac{b}{a}\left(\frac{x}{a}\right)^{b-1}\exp\left[-\left(\frac{x}{a}\right)^b\right]$$
$$abab$$

(3)
$$b=\left(\frac{\bar{x}}{\sigma}\right)^{1.086}$$
$$a=\frac{\bar{x}}{\Gamma\left(1+\frac{1}{b}\right)}$$

(4)
$$\frac{\bar{x}\sigma}{\Gamma}$$

(5)
$$\Gamma(x)=\int_0^\infty t^{x-1}e^{-t}dt$$
$$??$$
$$??$$

(6)
$$E=\frac{1}{2}\rho a^3\Gamma\left(1+\frac{3}{b}\right)$$
$$\rho$$
$$kgm^{-3}$$
$$ms^{-1}$$
$$Wm^{-2}$$
$$Wm^{-2}$$
$$Wm^{-2}$$
$$Wm^{-2}$$
$$Wm^{-2}$$
$$??$$
$$Wm^{-2}$$
$$Wm^{-2}$$
$$Wm^{-2}$$
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$$Wm^{-2}$$
$$??$$