XY

X

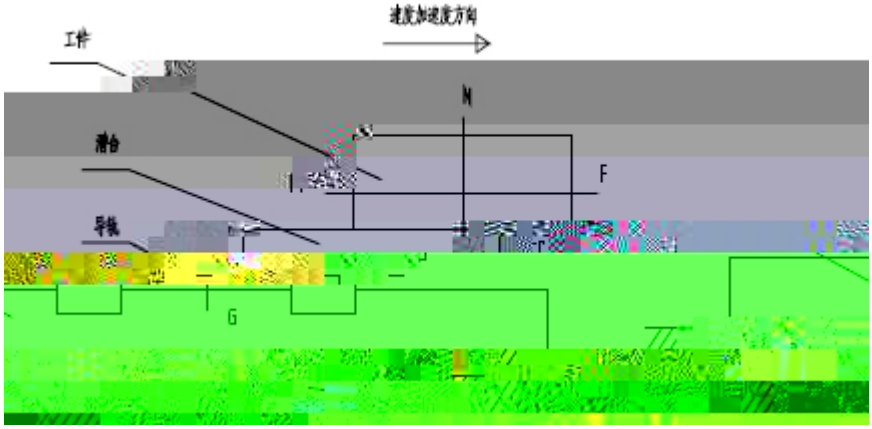
X 300mm

Z 3Kg

X 1m/s

X 1g

! " # $ % & ' ( )



* ( )

= +

G= mg

N = +

ma = F F_f

m—— , - . / 0 1 2 3 kg 4

g—— 5 & m/s2 4

Fr —— 6 7 8 - 7 9 0 : ; < & N 4

Ff —— = > ? &

F —— @ < &

A—— B C 0 = D E F $

a—— G H I - 0 m/s2 $

J K L M N O P Q R S O T U I - —— N 9 V K W X Y $

Z * [\ 0] ^ $

_ ` F 0] a

, - . / 1 2 3 b ' c 3KG + - 7 d B C e f 7KG .

= > E F g 0.004

= (+) = （10 × 9.8 + 800）× 0.004 = 3.6N

h - N O T i j & k

= + = 3.6 + 10 * 9.8 = 101.6N

v - N O T i j & k

= = 10 * 9.8 3.6 = 94.4N

w N O x 6 j & k (w N 9 K 0)

! = = "

y E z { | * } j & k K

$$F=\sqrt{\frac{F^{2}\times \#_{1}+F^{2}\ \$\#_{2}}{\#_{1}+\#_{2}}}= \quad "$$

Z ~ [\ 0] ^

F_r=0

G • € _ g G=75N

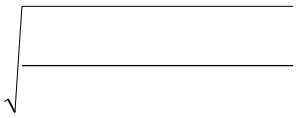
= (+) = （75 + 0）× 0.004 = 0.3N

h - N O T i j & k

= + = 0.4 + 7.5 * 10 = 75.4N

v - N O T i j & k

= = 75 * 10 0.4 = 74.6N



a ^

$$= (\quad + \quad) = （10 \times 12 + 800） \times 0.004 = 3.68N$$

h - N O T i j & k

$$= \quad + \quad = 3.68 + 10 * 12 = 123.7N$$

v - N O T i j & k

$$= \quad = 10 * 12 \quad 3.6 = 116.3N$$

w N O x 6 j & k (w N 9 K 0)

$$= \quad = \quad "$$

y E z { | * } j & k K

$$F = \sqrt{\frac{F^{2} \times \# + F^{2} \$ \#}{\# + \#}} = 120 "$$

Z ~ [\ 0] ^ N , ƒ „ … .