06 ERB Tikz

Engineering Statics

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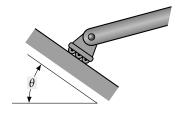
(a)

θ

R

(b)

θ

R

$90° - \theta$

θ

θ

smooth

θ

F

F

F

60°

4.00 m

3.00 m

1.50 m

2.20 kN

16.00 kN/m

A B C

D

2.75 m

3.75 m 2.10 m

F

$(0,0)$

G

A

412.02 N

2.40 kN   1.30 kN

77.5°

A

0.950 m   0.950 m   0.950 m

40°

37°

O

T

0.525 m

2.75 m

1.80 m

27.8 kN

1.25 kN/m

1.50 m

500 mm

2.25 kN/m

500 mm

A

B

1.50 m

38°

1.50 m

0.500 m

1.75 kN/m

1.00 m

2.50 kN/m

0.500 m

2.00 kN/m

B

A

C

D

2.00 kN·m

2.50 kN·m

34°

1.00 m   1.00 m   1.50 m   1.50 m