



Nombre del Alumno: Jesús Antonio Domínguez Escandón

Nombre del tema:

Parcial: 4

Nombre de la Materia: estática para la arquitectura

Nombre del profesor:

Nombre de la Licenciatura: arquitectura

Cuatrimestre: 3°

Jesús Antonio Domínguez Escobedo.

1

Datos

$$B = 8 \text{ cm} \quad ((8)(13^3))/12 = 1,466.666667 \text{ cm}$$

$$A = 13 \text{ cm} \quad ((13)(8^3))/12 = 554.666667 \text{ cm}$$

2

$$B = 14 \text{ cm} \quad ((14)(10^3))/12 = 1,166.666667 \text{ cm}$$

$$A = 10 \text{ cm} \quad ((10)(14^3))/12 = 2,286.666667 \text{ cm}$$

3

$$B = 16 \text{ cm} \quad ((15)(12^3))/12 = 2,160.000000 \text{ cm}$$

$$A = 12 \text{ cm} \quad ((12)(15^3))/12 = 3,375.000000 \text{ cm}$$

4

$$B = 12 \text{ cm} \quad ((12)(9^3))/12 = 229.000000 \text{ cm}$$

$$A = 9 \text{ cm} \quad ((9)(12^3))/12 = 1,296.000000 \text{ cm}$$

5

$$B = 14 \text{ cm} \quad ((14)(10^3))/12 = 1,166.666667 \text{ cm}$$

$$A = 10 \text{ cm} \quad ((10)(14^3))/12 = 2,286.666667 \text{ cm}$$

6

$$B = 14 \text{ cm} \quad ((14)(12^3))/12 = 2,016.000000 \text{ cm}$$

$$A = 12 \text{ cm} \quad ((12)(14^3))/12 = 2,744.000000 \text{ cm}$$

7

$$B = 11 \text{ cm} \quad ((11)(3^3))/12 = 24.75000000 \text{ cm}$$

$$A = 3 \text{ cm} \quad ((3^3)(11))/12 = 331.72 \text{ cm}$$

Norma

Jesús Arturo Romero
Escandón

Cálculo

1
 $r = 8 \text{ cm}$ $(\pi)(8^2)/4 = 3,216,990877$
 $(\pi)(8^2)/4 = 3,216,990877$

2
 $r = 18 \text{ cm}$ $I_1 =$
 $(\pi)(18^2)/4 = 82,447,95760 \text{ cm}^2$
 $I_2 = 82,447,95760 \text{ cm}^2$

3
 $r = 28 \text{ cm}$ $(\pi)(28^2)/4 = 482,749,6935 \text{ cm}^2$
 $I_3 = 482,749,6935 \text{ cm}^2$

4
 $r = 4 \text{ cm}$ $(\pi)(4^2)/4 = 201,0629 \text{ cm}^2$
 $I_4 = 201,0629 \text{ cm}^2$

5
 $r = 3 \text{ cm}$ $(\pi)(3^2)/4 = 63,61725 \text{ cm}^2$
 $I_5 = 63,61725 \text{ cm}^2$

6
 $r = 10 \text{ cm}$ $(\pi)(10^2)/4 = 7,853,981 \text{ cm}^2$
 $I_6 = 7,853,981 \text{ cm}^2$

7
 $r = 7 \text{ cm}$ $(\pi)(7^2)/4 = 1,885,740 \text{ cm}^2$
 $I_7 = 1,885,740 \text{ cm}^2$







