Datos ascensor tomados:

mp= nx 75kg

HOJA N° Z

Asumiendo tomas (carpamaxima) Sobrendo pue X (35) = 4m 1 V (35) = 0 m (4: 22A+9B => (Az-0,2863 m 0: 27A+6B => (B: 1,333 @) X(6) = 0,2963 m t3 + 1,33330 £2 N=12 persons V(t)z-0,8889 m. 22 + 2,6663 m+ Irz35 2(4) z -1,7778 m + 2,6664 m Asumiendo corpo minima, solo la cobina F= Mmax. 2min = 1350 kg x 2,6667 m = 3600 N F = Mmin . a max => 2 max = F = 3600N = 800 52 Recolardo A para ajustar la altura final, teniendo en overta que ahora B= F = 4m = 4m (4m. A.te3 + 4te2 => (tr. V3 = 1, 7321 s =>) Om. 3Atp2 + 8te => (A = 8 = -1,5396 M 53 $\begin{array}{c} (X_{(4)} = -1,5396 \text{ M} + \frac{3}{53} + \frac{4 \text{ m}}{52} + \frac{2}{52}) \\ (Y_{(4)} = -4,6188 \text{ M} + \frac{2}{53} + 8 \text{ m} + \frac{2}{52} \\ (2(4) = -9,2376 \text{ M} + \frac{2}{53} + 8 \text{ m} + \frac{2}{52}) \end{array}$ n = o personas

NOTA

Asumiendo carga media, n = 6 personas

F = M max amin = 1350 kg x 2,6667 m = 3600 N

F = Mn6. and = and = F = 3600 N = 4 m

Mn6 and = and = Mn6 = 900 kg

Recalculando A para ajustar la altura final, teriendo

en cuenta que ahora B = F = 2 m

zm = 52

(4m=A.te3, 2te2 =) {te= \(\sigma 6 \sigma 2, 4498 \sigma = \) \\ \(\sigma \sigma \sigma \frac{4}{53} \), \(\sigma \frac{4}

 $X_{(4)} = -0,5443 \, \underline{M}_{53} \cdot t^{3} + 2 \, \underline{M}_{52} t^{2}$ $V(t) = -1,6329 \, \underline{M}_{53} t^{2} + 4 \, \underline{M}_{52} t$ $A(t) = -3,2658 \, \underline{M}_{52} + 4 \, \underline{M}_{52} t$