Solution

N FE

For the First period:

For the second period:

$$\overline{V}_{\text{UV}_2} = \frac{D}{5t7_2} = \frac{6.33}{0.120,508} = 62.303 \text{m/s}$$

So only check the first poriod

& It need check

The street Start helight 4

So the resonance height = aos ~ loom

$$0.6 \quad \frac{14_1}{14} = \frac{0.032}{100} \quad , \quad \lambda_1 = 1.66$$

The cross-wind force

$$= Pd, (Z_1) = h = h + b \times \frac{4, (Z_1) \times 15,06^2 \times 6,33 \times h}{12800 \times 0.05} = 3.499 + (Z_1)h_2$$

The resuld are shown in this figure: Pant 1 5 2 3 4 7 В 10 Zi(m) 50 70 10 **)**(0 40 60 30 80 90 100 150 1340 hoo 1100 G(Zi)((LN) 3000 260 1070 990 1700 490 6.260 6.460 D(Z2) (m) 8.7/0 7.860 7.460 7.960 6.60 6,060 5,80 51720 P(Ei) (m) 0.008 0,086 9,085 0,158 0,755 Pdz (KN) 0,816 1,224 230 5,372 8,570 12716 17.442 22,678 28, 322 17,000 Mys1(kv·m) 8.160 4.480 3170 4480 43500 762.460 120.940 184.240 848.980

The base bonding moment:

Mu, lo = 331484 Av.m