

Programa - Mudados - 31 3224-1530 -BH- MG - renato.mudados@ig.com.br

## VIGAS SOBRE BASE ELASTICA

Cliente : FIRME

Obra : MURO DE ARRIMO

Nivel : MURO M1  
Data : 12.02.2015  
Identificacao : MURO M1

ESQUEMA : L-----L L=livre - E=engaste - A=rotula  
L = 7.00

| DADOS DA PECA E DO MEIO ELASTICO |      |           |            | DADOS DO CARREGAMENTO. Em: t-m |             |               |       |
|----------------------------------|------|-----------|------------|--------------------------------|-------------|---------------|-------|
| -->X                             | LARG | COEF.REC. | MOD.ELAST. | INERCI                         | CONCENTRADA | MOMENTO UNIF. | DIST. |
| 0.00                             |      |           |            |                                | 6.66        | 0.00          |       |
| 1.00                             | 0.30 | 1500.00   | 2380000    | 0.000400                       | 0.00        | 0.00          | 0.00  |
| 2.00                             | 0.30 | 1800.00   | 2380000    | 0.000400                       | 0.00        | 0.00          | 0.00  |
| 3.00                             | 0.30 | 1800.00   | 2380000    | 0.000400                       | 0.00        | 0.00          | 0.00  |
| 4.00                             | 0.30 | 1500.00   | 2380000    | 0.000400                       | 0.00        | 0.00          | 0.00  |
| 5.00                             | 0.30 | 2700.00   | 2380000    | 0.000400                       | 0.00        | 0.00          | 0.00  |
| 6.00                             | 0.30 | 5700.00   | 2380000    | 0.000400                       | 0.00        | 0.00          | 0.00  |
| 7.00                             | 0.30 | 6000.00   | 2380000    | 0.000400                       | 0.00        | 0.00          | 0.00  |

RESULTADOS EM : t - m

| X    | FLECHA   | ROTACAO(rd) | MOMENTO | CORTANTE | TENSAO SOBRE |
|------|----------|-------------|---------|----------|--------------|
| -->  | (x 0,01) | (x 0,001)   |         |          | O MEIO ELAST |
| 0.00 | 1.705    | -10.201     | 0.00    | -6.66    | 25.570       |
| 0.35 | 1.352    | -9.824      | -1.91   | -4.26    | 20.283       |
| 0.70 | 1.023    | -8.888      | -3.07   | -2.39    | 15.352       |
| 1.00 | 0.772    | -7.825      | -3.61   | -1.19    | 11.585       |
| 1.05 | 0.734    | -7.634      | -3.66   | -0.98    | 11.006       |
| 1.40 | 0.491    | -6.248      | -3.81   | 0.16     | 8.831        |
| 1.75 | 0.296    | -4.874      | -3.62   | 0.89     | 5.331        |
| 2.00 | 0.186    | -3.955      | -3.36   | 1.22     | 3.347        |
| 2.10 | 0.148    | -3.609      | -3.23   | 1.31     | 2.667        |
| 2.45 | 0.042    | -2.508      | -2.75   | 1.48     | 0.750        |
| 2.80 | -0.030   | -1.593      | -2.23   | 1.48     | -0.532       |
| 3.00 | -0.057   | -1.156      | -1.94   | 1.43     | -1.025       |
| 3.15 | -0.072   | -0.867      | -1.73   | 1.39     | -1.298       |
| 3.50 | -0.092   | -0.320      | -1.26   | 1.26     | -1.386       |
| 3.85 | -0.096   | 0.067       | -0.85   | 1.11     | -1.445       |
| 4.00 | -0.094   | 0.188       | -0.69   | 1.04     | -1.416       |
| 4.20 | -0.089   | 0.312       | -0.50   | 0.89     | -1.340       |
| 4.55 | -0.076   | 0.442       | -0.22   | 0.66     | -2.048       |
| 4.90 | -0.059   | 0.486       | -0.03   | 0.46     | -1.604       |
| 5.00 | -0.055   | 0.487       | 0.02    | 0.42     | -1.473       |
| 5.25 | -0.043   | 0.471       | 0.09    | 0.21     | -1.148       |
| 5.60 | -0.027   | 0.428       | 0.13    | 0.00     | -1.525       |
| 5.95 | -0.013   | 0.382       | 0.11    | -0.11    | -0.719       |
| 6.00 | -0.011   | 0.376       | 0.11    | -0.12    | -0.611       |
| 6.30 | 0.000    | 0.349       | 0.07    | -0.15    | 0.007        |
| 6.65 | 0.012    | 0.333       | 0.02    | -0.11    | 0.720        |