

Proprietà Materiale

Materiale	Peso Unit.	Massa Unit.	E	G12	U12
	KN/m3	KN-s2/m4	KN/m2	KN/m2	
Calcestruzzo	0	0	31500000	14318181.82	0.1

Proprietà Sezioni

Nome Sezione	Materiale	Tipo	t3 m	t2 m	Area m2
P-30X50	Calcestruzzo	Rettang.	0.3	0.5	0.15
P-30X60	Calcestruzzo	Rettang.	0.3	0.6	0.18
P-50X30	Calcestruzzo	Rettang.	0.5	0.3	0.15
P-60x30	Calcestruzzo	Rettang.	0.6	0.3	0.18
T-30X50	Calcestruzzo	Rettang.	0.5	0.3	0.15
T-30X60	Calcestruzzo	Rettang.	0.6	0.3	0.18

Coordinate Nodi (S. di R. Globale)

Joint	X	Y	Z
	m	m	m
OO1	0.00	0.00	0.00
OO2	5.70	0.00	0.00
OO3	11.30	0.00	0.00
OO4	0.00	4.05	0.00
OO5	5.70	4.05	0.00
OO6	10.60	4.05	0.00
1O1	0.00	0.00	2.90
1O2	5.70	0.00	2.90
1O3	11.30	0.00	2.90
1O4	0.00	4.05	2.90
1O5	5.70	4.05	2.90
1O6	10.60	4.05	2.90
2O1	0.00	0.00	6.10
2O2	5.70	0.00	6.10
2O3	11.30	0.00	6.10
2O4	0.00	4.05	6.10
2O5	5.70	4.05	6.10
2O6	10.60	4.05	6.10
3O1	0.00	0.00	9.35
3O2	5.70	0.00	9.35
3O3	11.30	0.00	9.35
3O4	0.00	4.05	9.35
3O5	5.70	4.05	9.35
3O6	10.60	4.05	9.35
CM1	5.64	2.22	2.90
CM2	5.64	2.22	6.10
CM3	5.64	2.22	9.35

Connessioni Aste

Asta	Nodo I	Nodo J	Lungh. m
P101	001	101	2.90
P102	002	102	2.90
P103	003	103	2.90
P104	004	104	2.90
P105	005	105	2.90
P106	006	106	2.90
P201	101	201	3.20
P202	102	202	3.20
P203	103	203	3.20
P204	104	204	3.20
P205	105	205	3.20
P206	106	206	3.20
P301	201	301	3.25
P302	202	302	3.25
P303	203	303	3.25
P304	204	304	3.25
P305	205	305	3.25
P306	206	306	3.25
T101-1	101	102	5.70
T101-2	102	103	5.60
T102-1	104	105	5.70
T102-2	105	106	4.90
T103	101	104	4.05
T104	102	105	4.05
T105	103	106	4.11
T201-1	201	202	5.70
T201-2	202	203	5.60
T202-1	204	205	5.70
T202-2	205	206	4.90
T203	201	204	4.05
T204	202	205	4.05
T205	203	206	4.11
T301-1	301	302	5.70
T301-2	302	303	5.60
T302-1	304	305	5.70
T302-2	305	306	4.90
T303	301	304	4.05
T304	302	305	4.05
T305	303	306	4.11

Sezioni Aste

Asta	Sezione
P101	P-30X60
P102	P-30X60
P103	P-60x30
P104	P-60x30
P105	P-30X60
P106	P-60x30
P201	P-30X60
P202	P-30X60
P203	P-60x30
P204	P-60x30
P205	P-30X60
P206	P-60x30
P301	P-30X50
P302	P-30X50
P303	P-50X30
P304	P-50X30
P305	P-30X50
P306	P-50X30
T101-1	T-30X60
T101-2	T-30X60
T102-1	T-30X60
T102-2	T-30X60
T103	T-30X60
T104	T-30X60
T105	T-30X60
T201-1	T-30X60
T201-2	T-30X60
T202-1	T-30X60
T202-2	T-30X60
T203	T-30X60
T204	T-30X60
T205	T-30X60
T301-1	T-30X50
T301-2	T-30X50
T302-1	T-30X50
T302-2	T-30X50
T303	T-30X50
T304	T-30X50
T305	T-30X50

Carichi Distribuiti su Travi

Trave	Lungh. m	qmax KN/m	qmin KN/m
T101-1	5.70	18.26	13.10
T101-2	5.60	18.26	13.10
T201-1	5.70	18.26	13.10
T201-2	5.60	18.26	13.10
T301-1	5.70	18.26	13.10
T301-2	5.60	18.26	13.10
T102-1	5.70	18.26	13.10
T102-2	4.90	18.26	13.10
T202-1	5.70	18.26	13.10
T202-2	4.90	18.26	13.10
T302-1	5.70	18.26	13.10
T302-2	4.90	18.26	13.10
T103	4.05	36.98	23.23
T203	4.05	36.98	23.23
T303	4.05	36.98	23.23
T104	4.05	56.46	33.78
T204	4.05	56.46	33.78
T304	4.05	56.46	33.78
T105	4.11	36.98	23.23
T205	4.11	36.98	23.23
T305	4.11	36.98	23.23

Masse degli Impalcati

Nodo	Traslaz.1 KN-s2/m	Traslaz. 2 KN-s2/m	Traslaz.3 KN-s2/m	Rotaz. 1 KN-m-s2	Rotaz. 2 KN-m-s2	Rotaz. 3 KN-m-s2
CM1	51.7	51.7	0.0	0.0	0.0	635.9
CM2	51.7	51.7	0.0	0.0	0.0	635.9
CM3	51.7	51.7	0.0	0.0	0.0	635.9

Periodi e masse partecipanti

Modo	Periodo	Massa partecipante in x	Massa partecipante in y	Somma in x	Somma in y
	s	%	%	%	%
1	0.340	62.41	16.64	62.41	16.64
2	0.325	17.94	60.63	80.35	77.27
3	0.236	0.11	3.43	80.46	80.70
4	0.114	8.50	4.51	88.96	85.21
5	0.111	4.83	8.05	93.79	93.25
6	0.081	0.02	0.89	93.80	94.14
7	0.063	0.38	4.61	94.18	98.75
8	0.060	5.80	0.34	99.98	99.09
9	0.045	0.03	0.91	100.00	100.00

Combinazione schemi base per travi

Momenti alle estremità [kN m]

	Trave	Estr.	1 qmax	2 qmin	3 Fx Mod.	4 Fy Mod.	5 Fx ey	6 Fy ex	Sisma x	Sisma y	Sisma Prev. x	Sisma Prev. y	qmin + Sisma Prev. x	qmin - Sisma Prev. x	qmin + Sisma Prev. y	qmin - Sisma Prev. y
		m									Telai in x	Telai in y	Telai in x	Telai in x	Telai in y	Telai in y
Impalcato 1	T101-1	0.00	-32.2	-22.8	65.3	17.6	1.4	3.7	66.8	21.3	73.1		50.3	-96.0		
	T101-1	5.70	-52.9	-38.2	45.5	12.4	-1.0	-2.7	-46.5	-15.1	-51.1		-89.3	12.8		
	T101-2	0.00	-53.2	-38.3	60.4	16.7	1.5	3.9	61.9	20.6	68.1		29.8	-106.4		
	T101-2	5.60	-37.1	-26.6	96.8	27.4	-2.4	-6.3	-99.2	-33.7	-109.3		-135.9	82.7		
	T102-1	0.00	-44.4	-31.6	87.1	24.8	-1.5	-4.0	88.6	-28.7	80.0		48.4	-111.6		
	T102-1	5.70	-46.1	-33.4	50.6	14.7	0.9	2.4	-51.6	17.1	-46.4		-79.8	13.1		
	T102-2	0.00	-39.3	-28.6	56.5	14.9	-0.9	-2.3	57.4	17.2	62.5		33.9	-91.1		
	T102-2	4.90	-33.4	-23.4	97.9	25.7	1.5	3.9	-99.4	-29.5	-108.2		-131.7	84.8		
	T103	0.00	-40.7	-25.4	18.2	75.1	-6.0	-15.6	-24.3	90.7		83.4			58.0	-108.9
	T103	4.05	-32.8	-20.7	13.4	55.3	4.3	11.1	17.7	-66.3		-61.0			-81.7	40.3
	T104	0.00	-63.2	-37.8	34.3	128.5	1.1	2.8	35.4	131.3		141.9			104.1	-179.7
	T104	4.05	-68.0	-40.7	34.2	128.1	-1.1	-2.9	-35.3	-131.0		-141.6			-182.3	100.9
Impalcato 2	T105	0.00	-33.9	-21.4	24.6	95.1	4.6	11.9	-29.2	106.9		98.2			76.8	-119.5
	T105	4.11	-31.0	-19.4	24.6	95.0	-4.6	-11.8	29.2	-106.8		-98.1			-117.5	78.7
	T201-1	0.00	-38.2	-27.0	63.9	17.0	1.3	3.4	65.2	20.4	71.3		44.3	-98.3		
	T201-1	5.70	-48.3	-35.2	45.5	12.3	-1.0	-2.5	-46.4	-14.8	-50.8		-86.0	15.7		
	T201-2	0.00	-49.6	-35.9	58.2	15.5	1.3	3.4	59.5	18.9	65.2		29.3	-101.1		
	T201-2	5.60	-40.4	-28.9	91.8	25.2	-2.1	-5.4	-93.9	-30.6	-103.1		-132.0	74.2		
	T202-1	0.00	-48.3	-34.3	83.8	23.2	-1.4	-3.5	85.2	-26.7	77.2		42.9	-111.5		
	T202-1	5.70	-42.9	-31.3	50.0	14.3	0.8	2.2	-50.8	16.4	-45.9		-77.1	14.6		
	T202-2	0.00	-34.4	-25.3	55.2	14.2	-0.8	-2.1	56.0	16.3	60.9		35.5	-86.2		
	T202-2	4.90	-38.3	-26.7	93.6	23.9	1.3	3.4	-94.9	-27.3	-103.1		-129.8	76.3		
	T203	0.00	-38.6	-24.1	17.9	73.7	-5.2	-13.5	-23.1	87.2		80.3			56.2	-104.4
	T203	4.05	-39.5	-25.0	13.5	55.4	3.8	9.9	17.3	-65.3		-60.1			-85.0	35.1
	T204	0.00	-64.9	-38.8	30.8	114.8	0.7	1.8	31.5	116.6		126.1			87.3	-164.9
	T204	4.05	-72.0	-43.1	30.8	114.5	-0.7	-1.9	-31.5	-116.4		-125.8			-168.9	82.7
	T205	0.00	-38.8	-24.5	22.5	86.8	3.9	10.2	-26.4	97.0		89.1			64.6	-113.6
	T205	4.11	-34.1	-21.3	22.5	86.8	-3.9	-10.1	26.4	-97.0		-89.0			-110.3	67.8

	Trave	Estr. m	1 qmax	2 qmin	3 Fx Mod.	4 Fy Mod.	5 Fx ey	6 Fy ex	Sisma x	Sisma y	Sisma Prev. x	Sisma Prev. y	qmin + Sisma Prev. x	qmin - Sisma Prev. x	qmin + Sisma Prev. y	qmin - Sisma Prev. y
											Telai in x	Telai in y	Telai in x	Telai in x	Telai in y	Telai in y
Impalcato 3	T301-1	0.00	-26.9	-19.1	29.0	7.5	0.5	1.4	29.5	8.9	32.2		13.1	-51.2		
	T301-1	5.70	-55.0	-39.8	20.0	5.3	-0.4	-1.0	-20.4	-6.3	-22.3		-62.1	-17.5		
	T301-2	0.00	-55.7	-40.1	24.8	6.5	0.5	1.3	25.3	7.8	27.7		-12.4	-67.8		
	T301-2	5.60	-30.3	-21.8	40.1	10.9	-0.8	-2.2	-41.0	-13.1	-44.9		-66.7	23.1		
	T302-1	0.00	-36.8	-26.1	37.0	10.1	-0.6	-1.5	37.6	-11.6	34.1		8.0	-60.3		
	T302-1	5.70	-48.3	-35.0	21.7	6.2	0.4	0.9	-22.1	7.2	-19.9		-54.9	-15.1		
	T302-2	0.00	-42.1	-30.7	23.7	5.9	-0.3	-0.8	24.0	6.7	26.1		-4.6	-56.8		
	T302-2	4.90	-28.3	-19.7	41.1	10.2	0.5	1.3	-41.6	-11.5	-45.0		-64.7	25.3		
	T303	0.00	-33.7	-21.1	8.0	33.1	-2.1	-5.3	10.1	38.4		41.4			20.3	-62.5
	T303	4.05	-27.9	-17.6	6.1	25.2	1.5	4.0	-7.7	-29.2		-31.5			-49.1	13.9
	T304	0.00	-54.2	-32.4	12.6	47.6	0.2	0.5	12.8	48.2		52.0			19.6	-84.4
	T304	4.05	-57.7	-34.5	12.6	47.3	-0.2	-0.6	-12.8	-47.9		-51.7			-86.2	17.3
	T305	0.00	-27.9	-17.5	9.7	37.8	1.6	4.1	-11.2	41.9		38.5			21.0	-56.0
	T305	4.11	-26.6	-16.7	9.7	37.8	-1.6	-4.0	11.2	-41.8		-38.5			-55.2	21.7