

MecanismeExemple

Generat amb PLEM

General

Nom del mecanisme	MecanismeExemple
Nre. membres	6
Nre. parells	8
Nre. forces	3
Nre. actuadors	1
Nre. total de punts	10
Nre. total de rectes	3
Presencia de gravetat	Si
g	9.8066997528076

Membres

	Nre. punts	Nre. rectes	massa	Ig	G1	G2
Bancada (id = 1)	1	1	0.0	0.0	0.0	0.0
Manovella (id = 2)	2	0	0.0	0.0	0.0	0.0
BielaDreta (id = 3)	3	0	0.0	0.0	0.0	0.0
BielaEsquerra (id = 4)	2	0	0.0	0.0	0.0	0.0
PistoC (id = 5)	1	1	0.5	0.0	0.0	0.0
PistoE (id = 6)	1	1	0.5	0.0	0.0	0.0

Punts

	Solid on pertany	x	y
A (id = 1)	1	0.0	0.0
A (id = 2)	2	0.0	0.0
B (id = 3)	2	0.15000000596046	0.0
D (id = 4)	3	-0.375	0.0
B (id = 5)	3	0.0	0.0
C (id = 6)	3	0.449999998807907	0.0
D (id = 7)	4	0.0	0.0
E (id = 8)	4	-0.52499997615814	0.0
C (id = 9)	5	0.0	0.0
E (id = 10)	6	0.0	0.0

Rectes

	Solid on pertany	x	y	α
recta1 (id = 1)	1	0.0	0.0	0.0
rectaC (id = 2)	5	0.0	0.0	0.0
rectaE (id = 3)	6	0.0	0.0	0.0

Parells

	Tipus 1	Tipus 2	Solid 1	Solid 2	Anc. 1	Anc. 2	c_1	c_2	c_3	c_4
enllFix	1	0	1	0	1	0	1.0	0.0	0.0	0.0
A	2	0	1	2	1	2	1.0	0.0	0.0	0.0
B	2	0	2	3	3	5	1.0	0.0	0.0	0.0
C	2	0	3	5	6	9	1.0	0.0	0.0	0.0
D	2	0	3	4	4	7	1.0	0.0	0.0	0.0
E	2	0	4	6	8	10	1.0	0.0	0.0	0.0
EnllPrismC	4	0	1	5	1	2	1.0	0.0	1.0	0.0
EnllPrismE	4	0	1	6	1	3	1.0	0.0	1.0	0.0

Forces

	Tipus 1	Tipus 2	Solid 1	Solid 2	Anc. 1	Anc. 2	c_1	c_2	c_3	c_4
Fc	1	1	5	0	9	0	-50.0	0.0	0.0	0.0
Fe	1	1	6	0	10	0	100.0	0.0	0.0	0.0
Fd	1	1	4	0	7	0	0.0	-80.0	0.0	0.0

Actuadors

	Tipus 1	Tipus 2	Solid 1	Solid 2	Anc. 1	Anc. 2	c_1	c_2	c_3	c_4
actuadorA	6	1	1	2	1	2	3.1415998935699	-1.0	0.0	0.0

Configuracio inicial

	x	y	α
Bancada	0.0	0.0	0.0
Manovella	0.0	0.0	1.2999999523163
BielaDreta	0.44999998807907	0.14499999582767	-0.31999999284744
BielaEsquerra	-0.30000001192093	0.25	0.5
PistoC	0.47999998927116	0.0	0.0
PistoE	-0.75	0.0	0.0