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)	Bancada	0.0	0.0
A (id = 2)	Manovella	0.0	0.0
B (id = 3)	Manovella	0.15000000596046	0.0
D (id = 4)	BielaDreta	-0.375	0.0
B (id = 5)	BielaDreta	0.0	0.0
C (id = 6)	BielaDreta	0.44999998807907	0.0
D (id = 7)	BielaEsquerra	0.0	0.0
E (id = 8)	BielaEsquerra	-0.52499997615814	0.0
C (id = 9)	PistoC	0.0	0.0
E (id = 10)	PistoE	0.0	0.0

Rectes

	Solid on pertany	x	y	α
recta1 (id = 1)	Bancada	0.0	0.0	0.0
rectaC (id = 2)	PistoC	0.0	0.0	0.0
rectaE (id = 3)	PistoE	0.0	0.0	0.0

Parells

	Tipus	Solid 1	Solid 2	Anc. 1	Anc. 2	c_1	c_2	c_3	c_4
enllFix	Enll. fix	Bancada	-	A	-	1.0	0.0	0.0	0.0
A	Articulacio	Bancada	Manovella	A	A	1.0	0.0	0.0	0.0
B	Articulacio	Manovella	BielaDreta	B	B	1.0	0.0	0.0	0.0
C	Articulacio	BielaDreta	PistoC	C	C	1.0	0.0	0.0	0.0
D	Articulacio	BielaDreta	BielaEsquerra	D	D	1.0	0.0	0.0	0.0
E	Articulacio	BielaEsquerra	PistoE	E	E	1.0	0.0	0.0	0.0
EnllPrismC	Prismatic	Bancada	PistoC	recta1	rectaC	1.0	0.0	1.0	0.0
EnllPrismE	Prismatic	Bancada	PistoE	recta1	rectaE	1.0	0.0	1.0	0.0

Forces

	Tipus	Solid 1	Solid 2	Anc. 1	Anc. 2	c_1	c_2	c_3	c_4
Fc	Torsor en eixos globals	PistoC	-	C	-	-50.0	0.0	0.0	0.0
Fe	Torsor en eixos globals	PistoE	-	E	-	100.0	0.0	0.0	0.0
Fd	Torsor en eixos globals	BielaEsquerra	-	D	-	0.0	-80.0	0.0	0.0

Actuadors

	Tipus	Solid 1	Solid 2	Anc. 1	Anc. 2	c_1	c_2	c_3	c_4
actuadorA	Angular polinomic	Bancada	Manovella	-	-	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