Lopez Perez Alberto Andrei		1
Toreas.	TITIT	TID
2- y"-2y" + 5y = c Cos 2x 0		
91-24+64-0 @ Moites Min 2+ 11-11 (1)6) - 2 me-2m+5=0	1 1-16 = 1 - 21	X = 1; /3 = 2.
3 501.17 (D 501 Gral)		
41=ex Cas 21		
12 - ex Sen 2x		
F(x) = Cas 2x ex - N y P= (A Cas 2x + B Sen 2x) ex) x = Ax ex C	as 2x + Bxe Sen	2x
gP-AxexCas2x + BxexSen2x		
gr' = Aex Cos 2x + Axex Cos 2x - 2 Axex Sen 2x + Bex Sen 2x + Bx exs	Sen 2x + 2 B x e C 6 2	K
19" = - 3 Ave Cas 2x + 1 A xe see 2x + 2 Ae Cos 2x - 11 Ae sen 2x - 3B.	re" Sea 24 + HBe"s	Cos 2x
+2Bex 500 2x + 10ex Coo 2x.		
Sustituyedo y Py sus derivadas en 1		711
- 3 Aze C & 2x - 4 Azesen 2 x + 2 Ao C 652 x + 11 he son 2 x - 3 Bxe sen 2 x + 11 Be x C as 2x		
- 2 A 2 C 00 2x - 2 A 2 C 6 2x + 1 A x c 5 en 2x - 2 Be 50 n 2x - 2 Bx e 5 en 2x - 2 Bx e 5 en 2x - 2 C cos 2x	12x + 11 Bxe Cos:	LX .
-11 Ae 7 sen 2x + 11 Be x Cos 2x = e x Cos 2x		
4B= 1 3. B= T		
-1A = 0 :- A = 0		
yp= xe'sen2x		
9: 90+90		
= 9= C. & Cos2 x + C2 e Sen2x + 17 xe sen2x		

5; y = x x2y" + xy	1/2 Cos x	y yn = x q	Sens, forma	a colatión Genera	fundamental	de soluciones de
		x2y11 xy	+(+2-+)4	3/2 = X		1
Solución	General	1: 9c : C1 X			6 %	-12
Proponem	5 ye=	y 0 + y 2 U1		- No		
WE VI	92	-1/e X Ca5 X		-1/2 X Seqx		:- W= X
19'		Sen 1/1x - C		COS 1/15 - Sen		
N1 = G G(X)	921 =		Sen X 1 - Sen X 2,3/2	= - <u>Sen X</u>	. W. : -	N X
W2 = 9.1	G(x) -	1/2 ) Co5> 0 y'' (x	= <u>Cos</u> X	1. W1-	Co5 X X	
() = 8 th	; dx = g-	Senv Y = 0 -	Senxdx =	Cas X		
U2 - 8 V	2 dy = 8	cosxdx se	AX SUB	Alluyendo YI,	92,01,62	
(5 (5 (S))	(Cos x) +(	(isen) sen)	- <u>Cos<sup>2</sup>(X)</u>	4 5en 1 1	7 × 1/2	
y= yc						
:. y=(	CI X 12 Co.	-14 5x 1C1 X Senx	+ X			

a

#				5000	$y_2 = Sen(I_1)$ $y_2 = Sen(I_2)$ $y_1 + y_2 = Se$	10 19 90	160100	601	ticular	de			
plu	ion (	benero			Cap(Inx)+								
Prop	oven	05 0	10-5	11017	9201		5x = 6	ec T					
W=   !	91	921	100	(Inx)	Senti	2)	1						
	2,1	721	-50	(xo[)e	Costa	2)	X	1	WIX				
THE RESIDENCE OF	0	42	-	0	Sentio	X	Too	(In)			- 600		
N1-1	Gno	921	- 5	ec In x	921		190	2	0	4	Jan (Inx)		#
	9.	0		æ(101)	0	1		7 -	Wg :	1			
W2=	71	Gx		y.!	300 to x	T X	1	0.1					
U1:	8	M TX C		an(tox)	Jx_ Jon	1000	-	5 70	0(0)8	V = -	1 Sen C)	u	
				X	UEIn	X					Nº Casu		
					るいこま	X					JV = - 5en	994	1
	(-1	J Y	4		In Cos		1100	SIIO	*11				H
U2 =	8 %	2 11 =	S	1 dx - 1	l dx - T	u(X)	540	5 47, 40	yendo	9,	V2 , U1,	19	
V	) P=	(Cos	s (In	2)00	Cos InxII)	+ 5e	dia	of.	(ادار			11	H