

SNS COLLEGE OF ENGINEERING

Kurumbapalayam (Po), Coimbatore - 641 107



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Direction your stand of hence of the your yours)

Wing Adams method,

folia. f(x,4) = > y+y2, No=0, yo=1, X, =0.1, X=0.2, K1 = h f(x0, y0) 1.0-1(1.0= (1,0) f (1.0)= K2 = hh (0.05, 40+ K1/3) = (0.1) f(0.05, 1.05) + (1.05) = 0.1155 K3= hf (0.05, yo+K2/2) =(0.1) \$(0.05, 1.0578) =(0.1) \$(0.05(1.0578) + (1.0578)^2] Ku= hfire+b, yo+ka) €0.1) \$10.1,1-11=2) [3.1) (0.1) (1.1192) + (1.1232) = 0.13598 J1= 40 + of K1+2k2 + 2k3 + k4] J(0.1) = 1-1169 +gain, Strat Start from 4 K1 = hof (x1,4,7 £0.10 f (0.1, 1.1169) K2 = hf [x,+h, 2, y,+k,5] =(0.1) f(0.15, 1-1849) =0.1582.



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	=(01)+(0.15,1	196)	
	=0.16098		
	Ku = (0.1) & (0.2, 1.2	2779)	
	= 0.1889.		
(1)) y(0.2) = 1.2771	1	
	from (72142) to		
	いーかも(ソンソ2)		
	= 6.17 \$ (0.2	, 1.2774)	
	=0.1884		
	k2 = h = 1x2+h3	1 40+ K1/0)	
	=(0.1) \$(0.25)		
	=0.2225	(III D) (II	15
	Ko= fof(xo+1/2	, Yatkala)	
	-(0·1) f (0·25		
	-(0.1) & (0.1)		
		12+K37 = (0.7) f(0.3)	1.500.0
	= 0.2716	5-463 1 - 10-10 \$(0.);	1.5048
		-2 C 0.1684 +2 (0.2)	
	93 = 11.21.41	PT 0.00 + 45 (0.5	
			40.221
	= 1-5041		
No	n me into be	down's productor 3'-5942' +3744', -940	formula



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