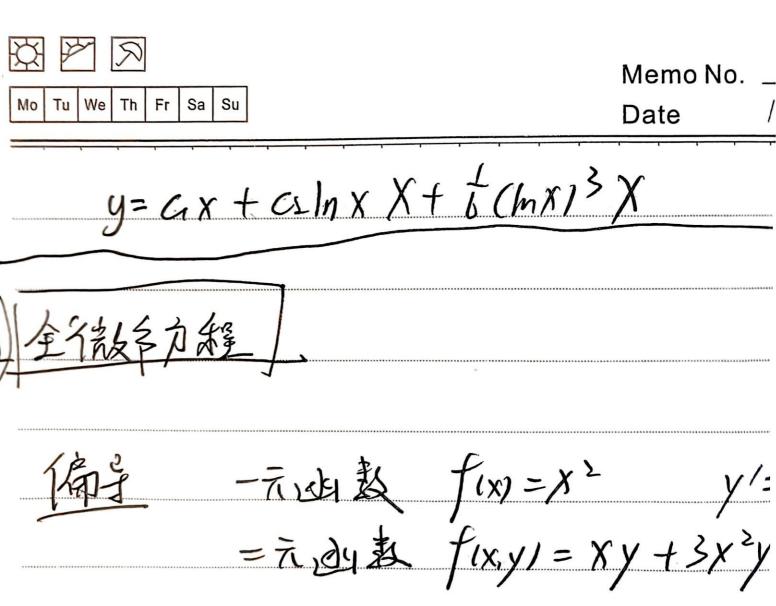
斑 图 图	
Mo Tu We Th Fr Sa Su	Memo No/ Date / /
(9) Euler 京新華.	区文拉力分量
ラインカードラ	
$\frac{\chi^n y^{cn)} + P_1 \chi^{n-1}}{T}$	y m-1 + - + [m-1, x.y + Pm
y consta	unt
$N=2$ $X^{2}.y''+ ^{2}xy'+$	94 = f(x) ->=97, =
接流 多x=e+, t	=lnx
$\frac{ dy }{ dx } = \frac{dy}{dx} \frac{dx}{dx}$	de X
$y'': \frac{d^2y}{dx^2} = \frac{d(\frac{dy}{dx})}{dx}$	$= \frac{d\left(\frac{dy}{xd+}\right)}{dx} = \frac{1}{x^2dx}\frac{dy}{dt}$ $= \frac{d\left(\frac{dy}{xd+}\right)}{dx} = \frac{1}{x^2dx}\frac{dy}{dt}$
= -x2, dy + 1,	$\frac{d(\frac{dy}{dx})}{dx}$
= - x2 dE + x 1	$ \frac{d(\frac{dy}{d\epsilon})}{d\epsilon}, \frac{d\epsilon}{dx} \to \frac{1}{x} $
$= -\frac{1}{x^2} \frac{dy}{dx} + \frac{1}{x^2}$	dy dt
X et X	dt

	Mo Tu We Th Fr Sa Su $ A = A = A = A = A = A = A = A = A = A =$	Memo No
	$\frac{dy}{dx} = yy$	$\int_{0}^{\infty} t^{2} = \frac{dt^{2}}{dt} = 2$
	$D = \frac{d}{dx}, \frac{dy}{dx} = \frac{dy}{dx} \cdot \frac{dy}{dx} = $	Dy.x' '= Dy
€ Υ΄	$= -\frac{1}{x^{2}} \frac{dy}{dx} + \frac{1}{x^{2}} \frac{dy^{2}}{dx^{2}} = -\frac{1}{x^{2}} \frac{Dy}{Dy}$ $y^{2}y'' = D^{2}y - Dy = Dy$	<u> </u>
	$x^{2}y'' + xy' + 2y = 7$ $\Rightarrow b(o-1)y + py + 2y$ $D^{2} - Dy + py + 4y = 7$	= f(e*)
	y"+ cp-1) y'+ +gy = f	(e *)]

Mo Tu Wo Th Fr Sa Su () C(X) e pix/d X ()	
$xy' = Dy = (y_{\ell})' = y_{\ell}'$ $x^2y'' = D(D-1)y = D^2y - Dy = (y_{\ell}' - y_{\ell})''$	
$x^{3}y''' = D(0-1)(0-2)y$	
$X^{n}y^{n} = D(D-1)(D-2) - \cdots (D-(n-1))y$	
ex , $\chi^2 y'' - \chi y' + y = \chi \ln \chi$	
$1, \not\in X = e^{\pm}$ e^{\pm}, t $\partial_x = l_{nx} =$	~
$\chi^2 y'' = D \cdot co - 12y$ $1) = \frac{4}{4\pi}$	_
xy' = Dy	
$DCD-IJY-DY+Y=t.e^{t}$	
$\Rightarrow D^2y - Dy - Dy + y = te^{\epsilon}$	_
$y''t - 2y't+y = te^t$	
Step1: $\Lambda^2 - 2\Lambda + 1 = 0 \qquad \Lambda_i = \Lambda_1 = 1$	
Y= Gettee Cixet	
Step): y====================================	
$\gamma = -2, q = 1, r = 1$	
ア"+(0) 2'+0()=せ ルモ=だけ	3
Intp rtprtq : y= get+ ate	-
+ 1 + 2 e	C



$$\int_{0}^{\infty} \int_{0}^{\infty} = 1 + 6xy + 3y^{2}$$