Ex. Betta model !

 $\tilde{\mathcal{M}}$

In the sound case, we write

we can only go so In

well about senselinely.

Some Clasai Frention Issues

- Ordinary vs. Partial (ODE vs. 1901)
- Linear vi Montineur
- Order of the equation

$$\frac{\partial^2 u}{\partial x^2} + \frac{\partial^2 u}{\partial x} + \frac{\partial^2 u}{\partial x} + \frac{\partial^2 u}{\partial y} + u = 0$$

$$L_{3} \int \frac{du}{dx} dx = \int \frac{1}{x} \ln (x) dx$$

$$L_1 \quad y(x) = \int u \, du$$

one an only one further!

$$y(x) + 0 = 4 \int_{0}^{4} dx - \frac{1}{2} dx$$

Ex. Ix = \frac{1}{x} ln(x) Set [\frac{y}{(x_0)} - \frac{y_0}{y_0}] \quad v_0 = \text{instant point} \quad \frac{y_0}{y_0} = \text{instant point} \quad \frac{y_0}{y_0} = \text{instant} \quad \frac{y_0}{y_0} + \text{instant} \quad \quad \frac{y_0}{y_0} + \text{instant} \quad \quad

$$\begin{cases}
\frac{dy}{dx} = e^{-x^2} & y(0) = 0 \\
y(x) = \int e^{-x^2} & e^{-x^2} & e^{-x^2}
\end{cases}$$

Important Integral

Ly y(x)-y, - f(ln(x))2- f(ln(x,))2

For 1 Xn- 1 and y (xn) = y(n)=1

- y(x)-2 = {(ln(n))-1(ln(n))}

- y(x)-2 = {(ln(n))-1(ln(n))}

- y(x)-1(ln(x)) + e

Ex 9/3 - 185

y(x,) = 3 x, 4 (x, 6x,) x + C.

a y 1x01 - 3 x, (4, -68, 8)x,

S. d. d. 185° d.

dy / 653 / x

C = Vo - 6x03

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