

No. de boleta: 2020630675 Grupo: 3CM1
Materia: Ecuaciones Diferenciales Profesor: Chávez Lima Eduardo dy = K = X+19V -> Ecuación de la familia Despejando V V= 1-1914

M=0 positiva K=0 positiva N=0 positiva N=0 positiva N=0 negativa Cuando 4:0 coando 14=1 V=-18 : algráficar la familie de curves integrales el este parecido a un remolino

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3-
$$y'+tgy = \frac{3x}{\cos y}$$
 $\frac{3}{dx}+tgy = \frac{3x}{\cos y}$
 $\frac{3}{dx}+tgy =$

Nombre: Colin Ramiro Joel $y = x^2 \cos y + \sin 10y \qquad - > x = uv \frac{dx}{dy} = v \frac{du}{dy} + u \frac{dx}{dy}$ Si se considera $\frac{dx}{dy} \rightarrow \frac{dx}{dy} = \frac{x^2 \cos y + \sin 10y}{19x}$ $\frac{dx}{dy} = \frac{x^2 \cos y}{19x}$ No. de boleta: 2020630675 dx - x cosy = sen 10 y -> vdu + udv - vvcosy = sen 10 y $\Rightarrow v \frac{dv}{dy} + v \frac{dv}{dy} - v \frac{v \cos y}{19} = \frac{\sin 10y}{19v}$ $\Rightarrow v \left(\frac{dv}{dy} - v \frac{\cos y}{19}\right) + v \frac{dv}{dy} - \frac{\sin 10y}{19v} = 0$ $\Rightarrow v \left(\frac{dv}{dy} - v \frac{\cos y}{19}\right) + v \frac{dv}{dy} - \frac{\sin 10y}{19v} = 0$ $\Rightarrow v \left(\frac{dv}{dy} - v \frac{\cos y}{19}\right) + v \frac{dv}{dy} - \frac{\sin 10y}{19v} = 0$ $\Rightarrow v \left(\frac{dv}{dy} - v \frac{\cos y}{19}\right) + v \frac{dv}{dy} - \frac{\sin 10y}{19v} = 0$ $\Rightarrow v \left(\frac{dv}{dy} - v \frac{\cos y}{19}\right) + v \frac{dv}{dy} - \frac{\sin 10y}{19v} = 0$ $\Rightarrow v \left(\frac{dv}{dy} - v \frac{\cos y}{19}\right) + v \frac{dv}{dy} - \frac{\sin 10y}{19v} = 0$ $\Rightarrow v \left(\frac{dv}{dy} - v \frac{\cos y}{19}\right) + v \frac{dv}{dy} - \frac{\sin 10y}{19v} = 0$ $\Rightarrow v \left(\frac{dv}{dy} - v \frac{\cos y}{19}\right) + v \frac{dv}{dy} - \frac{\sin 10y}{19v} = 0$ $\Rightarrow v \left(\frac{dv}{dy} - v \frac{\cos y}{19}\right) + v \frac{dv}{dy} - \frac{\sin 10y}{19v} = 0$ $\Rightarrow v \left(\frac{dv}{dy} - v \frac{\cos y}{19}\right) + v \frac{dv}{dy} - \frac{\sin 10y}{19v} = 0$ $\Rightarrow v \left(\frac{dv}{dy} - v \frac{\cos y}{19}\right) + v \frac{dv}{dy} - \frac{\sin 10y}{19v} = 0$ $\Rightarrow v \left(\frac{dv}{dy} - v \frac{\cos y}{19}\right) + v \frac{dv}{dy} - \frac{\sin 10y}{19v} = 0$ $\Rightarrow v \left(\frac{dv}{dy} - v \frac{\cos y}{19}\right) + v \frac{dv}{dy} - \frac{\sin 10y}{19v} = 0$ $\Rightarrow v \left(\frac{dv}{dy} - v \frac{\cos y}{19}\right) + v \frac{dv}{dy} - \frac{\sin 10y}{19v} = 0$ $\Rightarrow v \left(\frac{dv}{dy} - v \frac{\cos y}{19}\right) + v \frac{dv}{dy} - \frac{\sin 10y}{19v} = 0$ $\Rightarrow v \left(\frac{dv}{dy} - v \frac{\cos y}{19}\right) + v \frac{dv}{dy} - \frac{\sin 10y}{19v} = 0$ $\Rightarrow v \left(\frac{dv}{dy} - v \frac{\cos y}{19}\right) + v \frac{dv}{dy} - \frac{\sin 10y}{19v} = 0$ $\Rightarrow v \left(\frac{dv}{dy} - v \frac{\cos y}{19}\right) + v \frac{dv}{dy} - \frac{\sin 10y}{19v} = 0$ $\Rightarrow v \left(\frac{dv}{dy} - v \frac{\cos y}{19}\right) + v \frac{dv}{dy} - v \frac{\sin 10y}{19v} = 0$ $\Rightarrow v \left(\frac{dv}{dy} - v \frac{\cos y}{19v}\right) + v \frac{dv}{dy} - v \frac{\sin 10y}{19v} = 0$ $\Rightarrow v \left(\frac{dv}{dy} - v \frac{\cos y}{19v}\right) + v \frac{dv}{dy} - v \frac{\sin 10y}{19v} = 0$ $\Rightarrow v \left(\frac{dv}{dy} - v \frac{\sin 10y}{19v}\right) + v \frac{dv}{dy} - v \frac{\sin 10y}{19v} = 0$ $\Rightarrow v \left(\frac{dv}{dy} - v \frac{\sin 10y}{19v}\right) + v \frac{dv}{dy} - v \frac{\sin 10y}{19v} = 0$ $\Rightarrow v \left(\frac{dv}{dy} - v \frac{dv}{dy}\right) + v \frac{dv}{dy} - v \frac{dv}{dy} - v \frac{dv}{dy} - v \frac{dv}{dy} = 0$ $\Rightarrow v \left(\frac{dv}{dy} - v \frac{dv}{dy}\right) + v \frac{dv}{dy} - v \frac{dv}{dy} + v \frac{dv}{dy} - v \frac{dv}{dy} = 0$ $\Rightarrow v \left(\frac{dv}{dy} - v \frac{dv}{dy}\right) + v \frac{dv}{dy} - v \frac{dv}{dy} + v \frac{dv}{dy} +$ Si C=1 sent -> udu = sentoy sustituinos u -> e du = sen 10 y -> du = sen 10 y dy -> du = sen 10 y dy -> du = 19 = 19 = 19 u dy -> flaudy=sentoydy -> 1902 = - costby + C V= 190 +C -> V= \ -2005104 + K X=UV->e (= 200>10x+K) X = 0 19 (- costoy + 14)