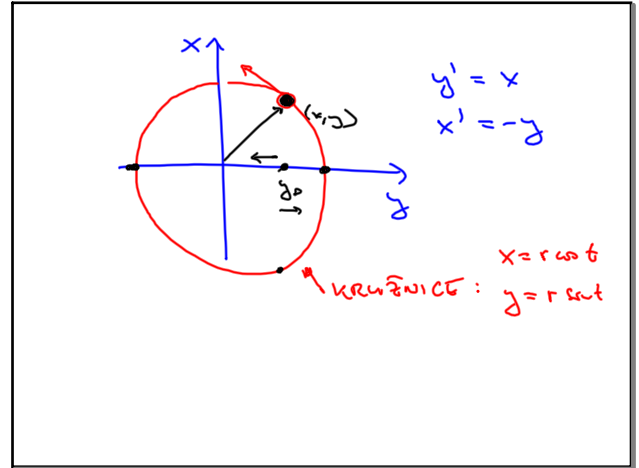
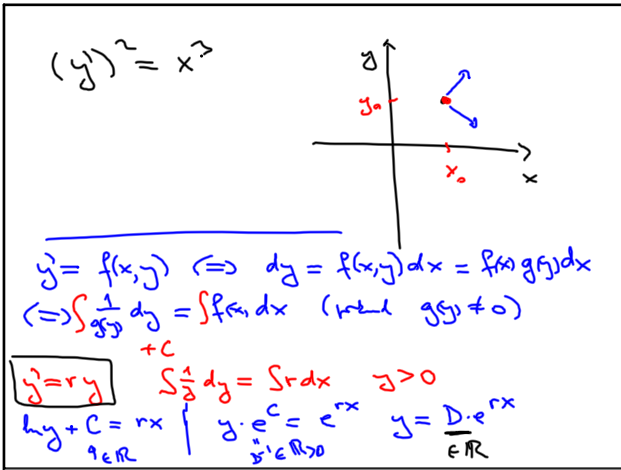


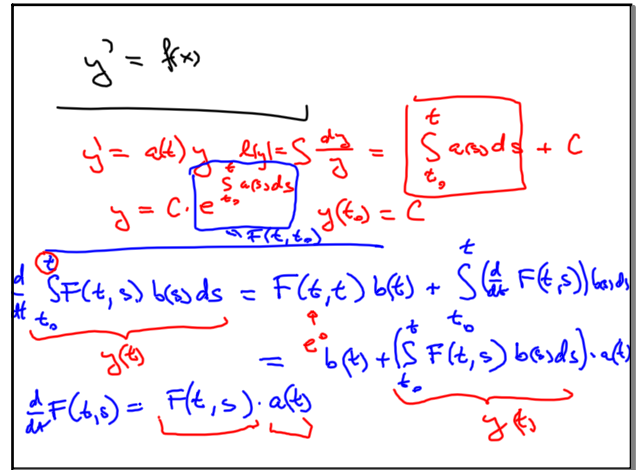
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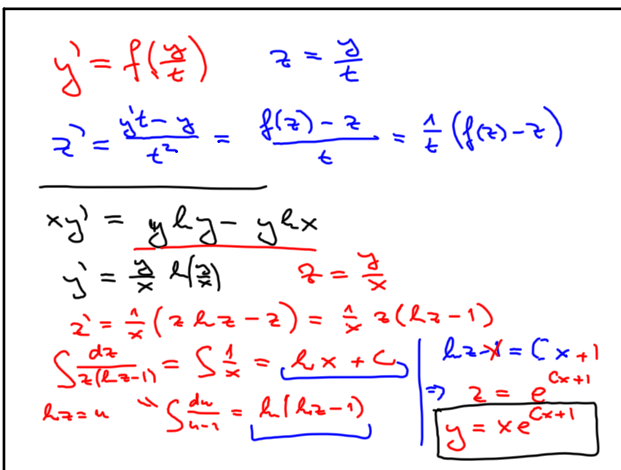
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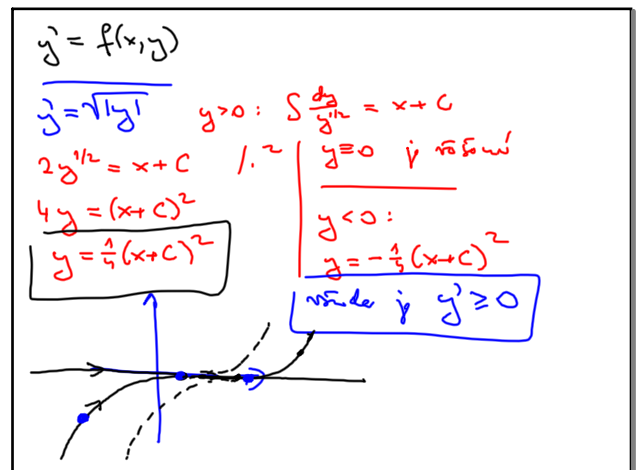
11 1-16:33



11 1-16:47



11 1-17:04



11 1-17:23

$$x = \begin{pmatrix} x_1 \\ \vdots \\ x_n \end{pmatrix} \quad \dot{x} = f(x, t)$$

$$\begin{pmatrix} \dot{x}_1 \\ \vdots \\ \dot{x}_n \end{pmatrix} = \begin{pmatrix} f_1(x_1, \dots, x_n, t) \\ \vdots \\ f_n(x_1, \dots, x_n, t) \end{pmatrix}$$

autonomní systémy:  $\dot{x} = f(x)$

$\Rightarrow$   $\text{Fl}_t^f : \mathbb{R}^n \rightarrow \mathbb{R}^n$   
 $\text{Fl}_0^f = \text{id}_{\mathbb{R}^n}$   $\text{Fl}_s^f \circ \text{Fl}_t^f = \text{Fl}_{s+t}^f$

11 1-17:34