

max := 200      n := 0, 1 .. max



$$f(A, o, b1, n) := \begin{cases} o & \text{if } n = 0 \\ b1 \cdot f(A, o, b1, n - 1) + A & \text{otherwise} \end{cases}$$

x := 0, 1 .. max

as(A, b1, k) := k · b1 + A

$$y1(A, o, b1, x) := f\left(A, o, b1, \text{floor}\left(\frac{x}{2}\right)\right)$$

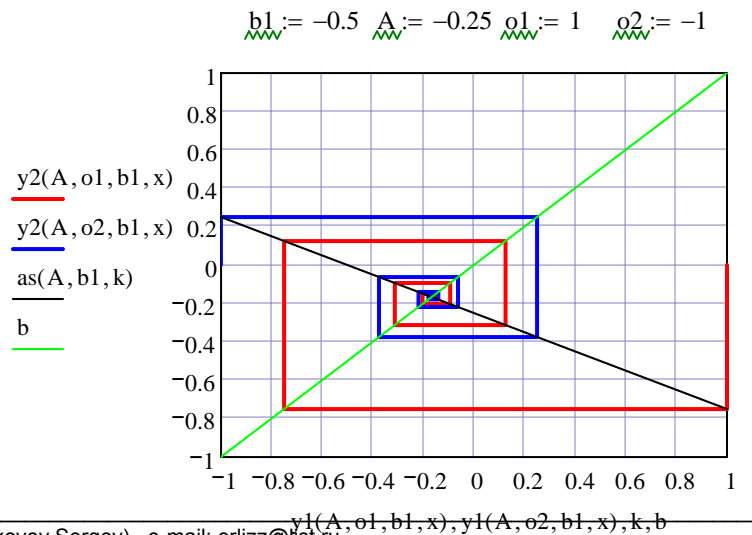
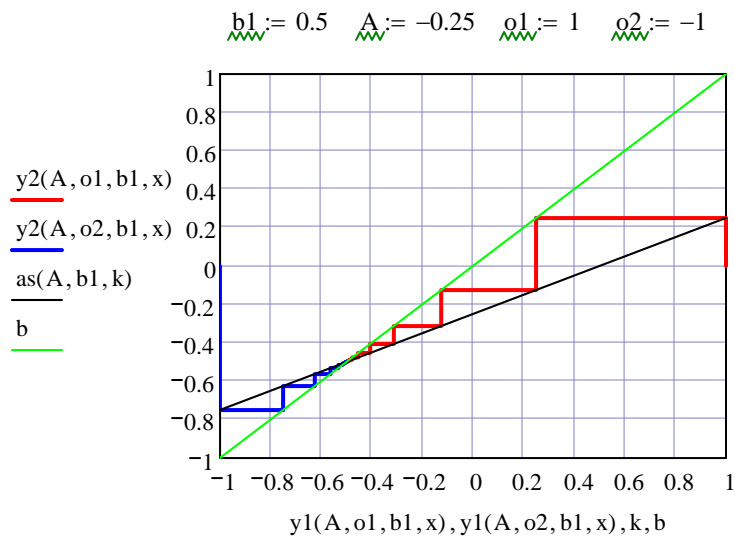
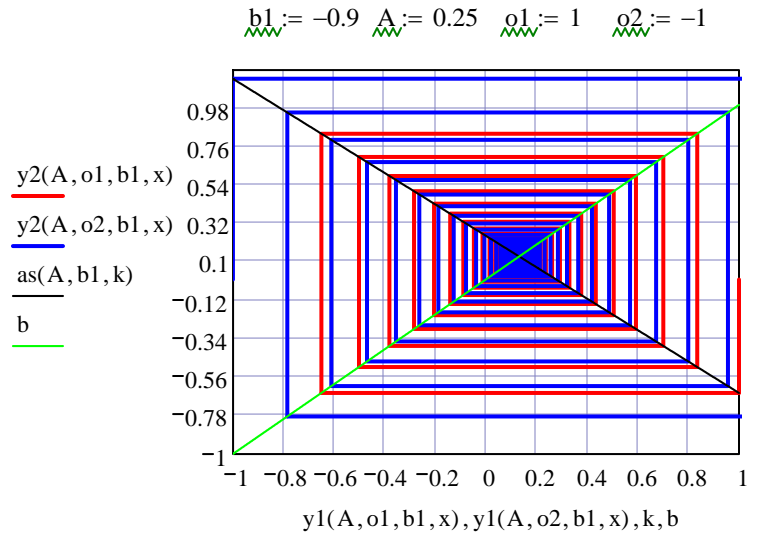
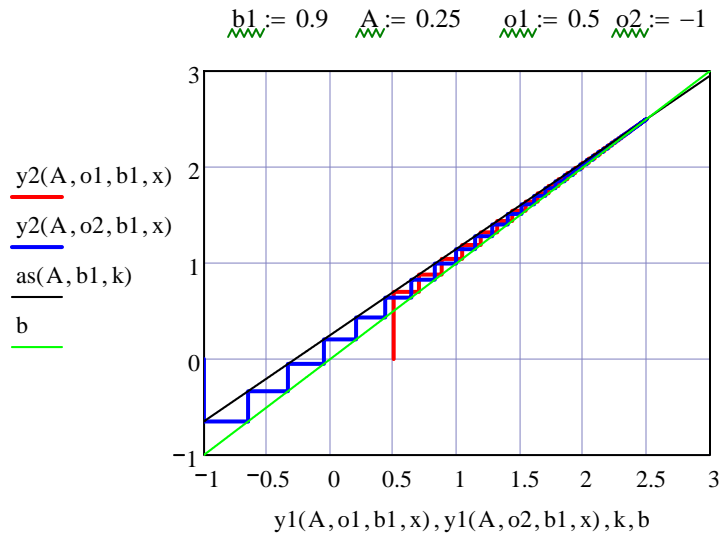
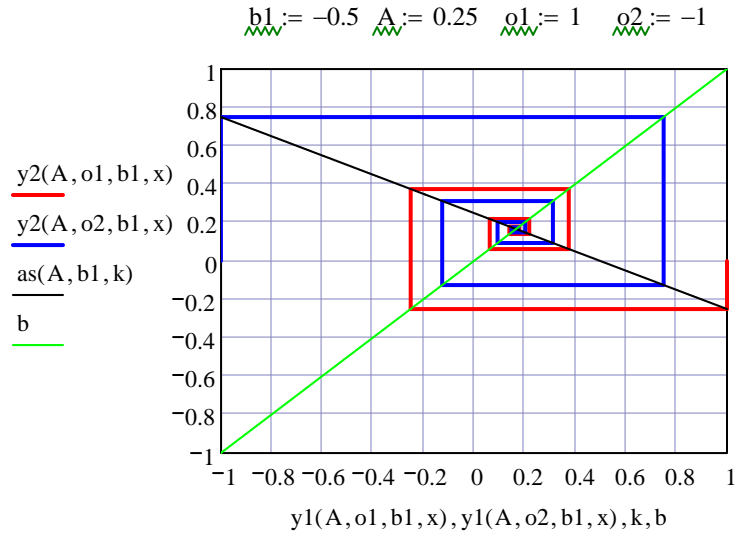
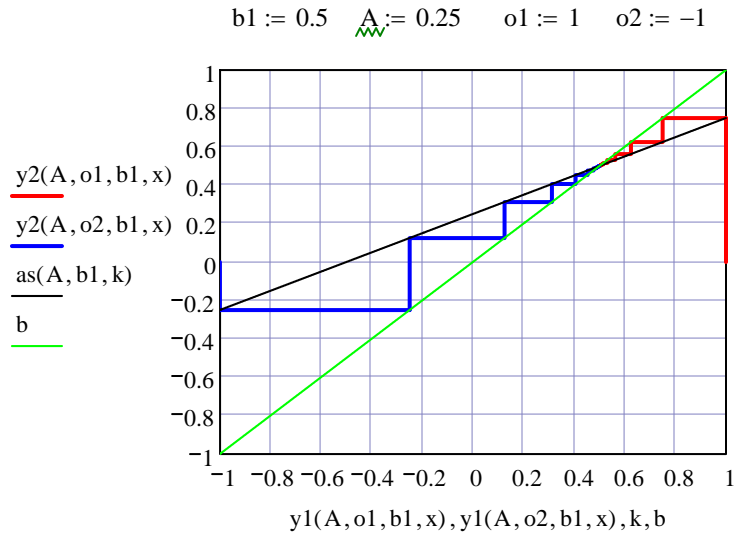
$$y2(A, o, b1, x) := \begin{cases} 0 & \text{if } x = 0 \\ y1(A, o, b1, x + 1) & \text{otherwise} \end{cases}$$

$$yy1(A, b1) := \frac{A}{1 - b1}$$

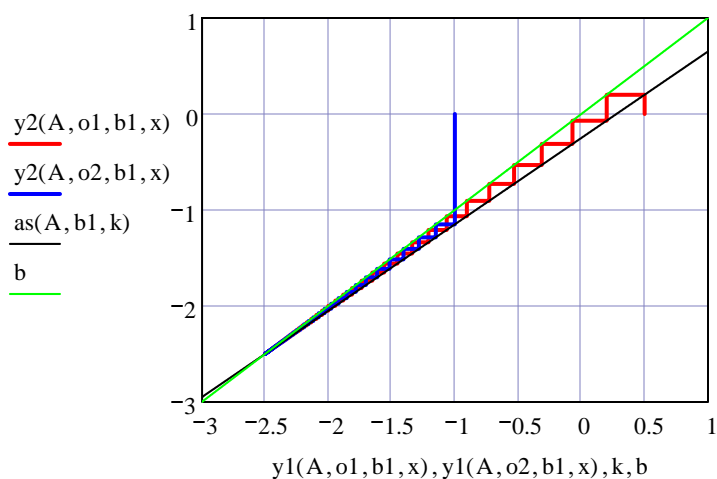
# 1. Issledovanie linejnoy sistemy



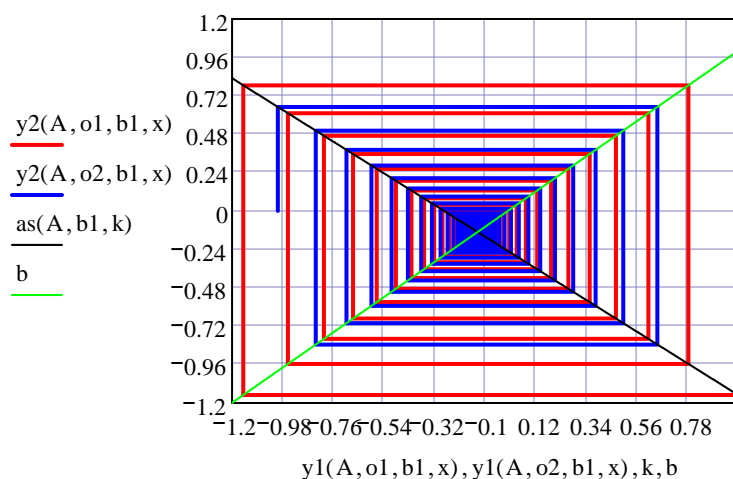
1.1



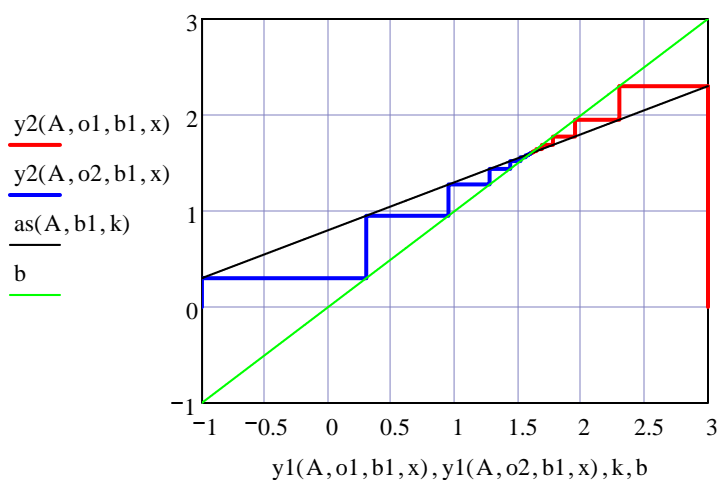
$b1 := 0.9$   $A := -0.25$   $o1 := 0.5$   $o2 := -1$



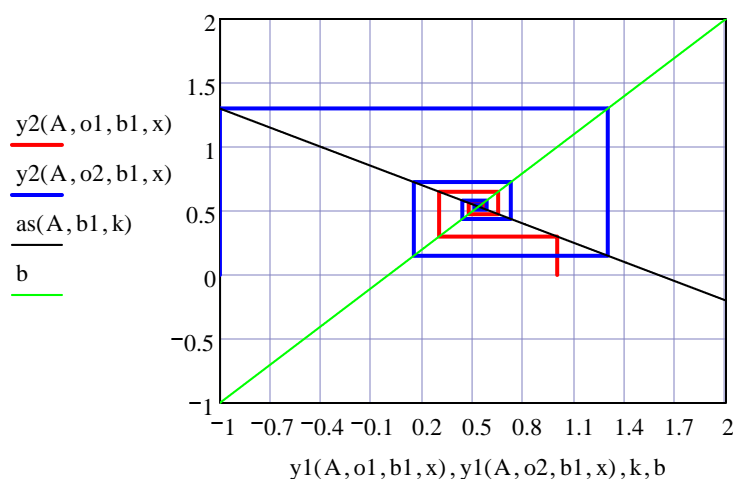
$b1 := -0.9$   $A := -0.25$   $o1 := 1$   $o2 := -1$



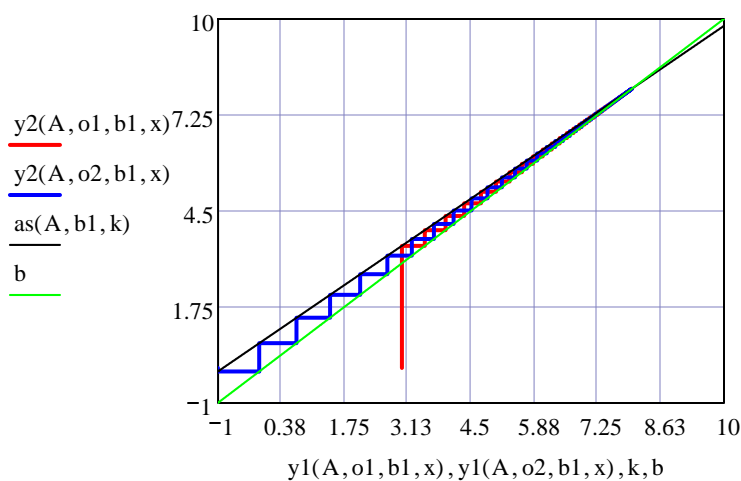
$b1 := 0.5$   $A := 0.8$   $o1 := 3$   $o2 := -1$



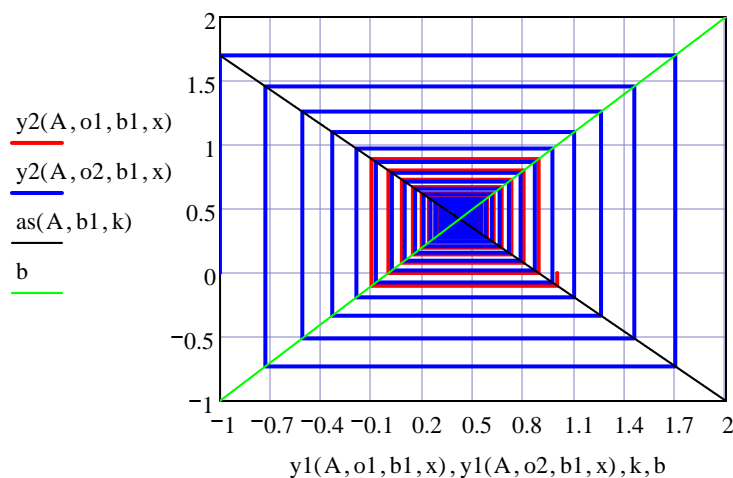
$b1 := -0.5$   $A := 0.8$   $o1 := 1$   $o2 := -1$

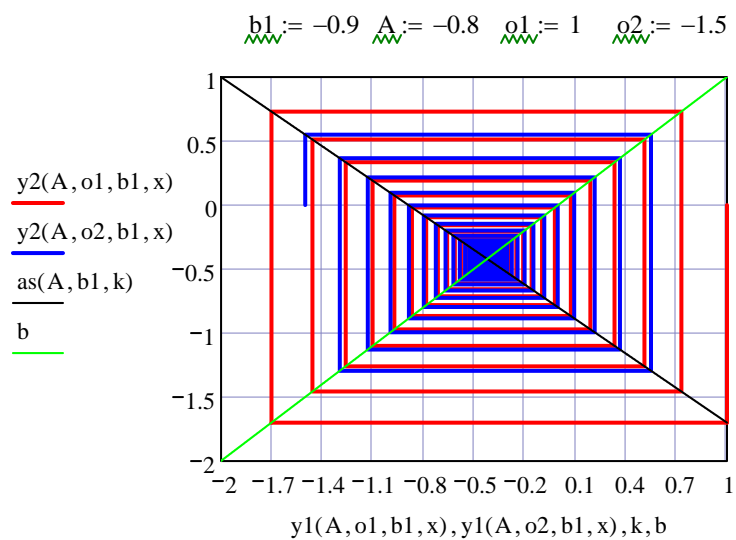
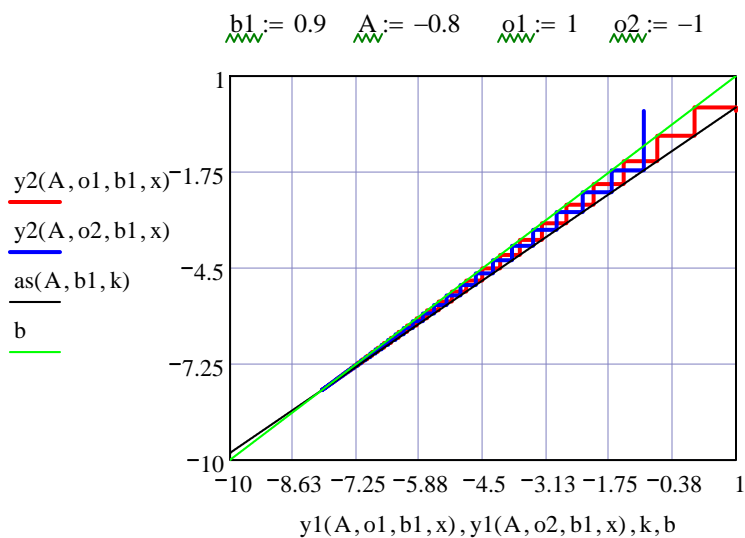
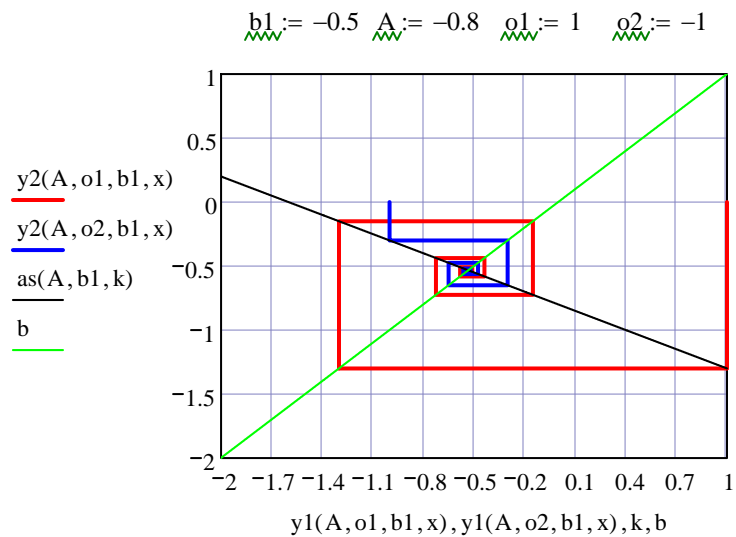
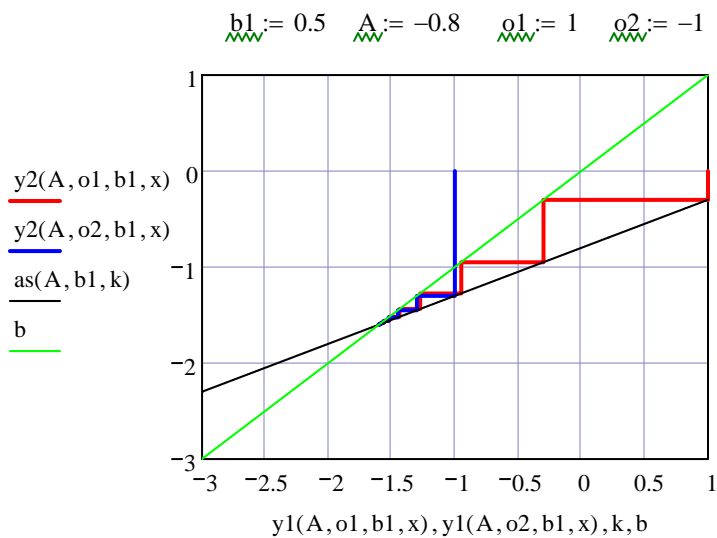


$b1 := 0.9$   $A := 0.8$   $o1 := 3$   $o2 := -1$



$b1 := -0.9$   $A := 0.8$   $o1 := 1$   $o2 := -1$





1.2

$\underline{\underline{bb1}} := -0.99, -0.98 \dots 0.95$

