

$$x \in [0; 1].$$

№ 1.  $y' = 1 + 0,2y \sin x - y^2, \quad y(0) = 0.$

№ 2.  $y' = \cos(x + y) + 0,5(x - y), \quad y(0) = 0.$

№ 3.  $y' = \frac{\cos x}{x+1} - 0,5y^2, \quad y(0) = 0.$

№ 4.  $y' = (1 - y^2) \cos x + 0,6y, \quad y(0) = 0.$

№ 5.  $y' = 1 + 0,4y \sin x - 1,5y^2, \quad y(0) = 0.$

№ 6.  $y' = \frac{\cos y}{x+2} + 0,3y^2, \quad y(0) = 0.$

№ 7.  $y' = \cos(1,5x + y) + (x - y), \quad y(0) = 0.$

№ 8.  $y' = 1 - \sin(x + y) + \frac{0,5y}{x+2}, \quad y(0) = 0.$

№ 9.  $y' = \frac{\cos y}{1,5+x} + 0,1y^2, \quad y(0) = 0.$

№ 10.  $y' = 0,6 \sin x - 1,25y^2 + 1, \quad y(0) = 0.$

№ 11.  $y' = \cos(2x + y) + 1,5(x - y), \quad y(0) = 0.$

№ 12.  $y' = 1 - \frac{0,1y}{x+2} - \sin(2x + y), \quad y(0) = 0.$

$$\text{№ 13. } y' = \frac{\cos y}{1,25+x} - 0,1y^2, \quad y(0)=0.$$

$$\text{№ 14. } y' = 1 + 0,8y \sin x - 2y^2, \quad y(0)=0.$$

$$\text{№ 15. } y' = \cos(1,5x+y) + 1,5(x-y), \quad y(0)=0.$$

$$\text{№ 16. } y' = 1 - \sin(2x+y) + \frac{0,3y}{x+2}, \quad y(0)=0.$$

$$\text{№ 17. } y' = \frac{\cos y}{1,75+x} - 0,5y^2, \quad y(0)=0.$$

$$\text{№ 18. } y' = 1 + (1-x) \sin y - (2+x)y, \quad y(0)=0.$$

$$\text{№ 19. } y' = (0,8-y^2) \cos x + 0,3y, \quad y(0)=0.$$

$$\text{№ 20. } y' = 1 + 2,2 \sin x + 1,5y^2, \quad y(0)=0.$$

$$\text{№ 21. } y' = \cos(x+y) + 0,75(x-y), \quad y(0)=0.$$

$$\text{№ 22. } y' = 1 - \sin(1,25x+y) + \frac{0,5y}{x+2}, \quad y(0)=0.$$

$$\text{№ 23. } y' = \frac{\cos y}{x+2} - 0,3y^2, \quad y(0)=0.$$

$$\text{№ 24. } y' = 1 - \sin(1,75x+y) + \frac{0,1y}{x+2}, \quad y(0)=0.$$

$$\text{№ 25. } y' = \frac{\cos y}{1,25+x} - 0,5y^2, \quad y(0)=0.$$

$$\text{№ 26. } y' = \cos(1,5x+y) - 2,25(x+y), \quad y(0)=0.$$

$$\text{№ 27. } y' = \frac{\cos y}{1,5+x} - 1,25y^2, \quad y(0)=0.$$

$$\text{№ 28. } y' = 1 - (x-1) \sin y + 2(x+y), \quad y(0)=0.$$

$$\text{№ 29. } y' = 1 - \sin(0,75x-y) + \frac{1,75y}{x+1}, \quad y(0)=0.$$

$$\text{№ 30. } y' = \cos(x-y) + \frac{1,25y}{1,5+x}, \quad y(0)=0.$$