

変数分離型・同次型の微分方程式

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| No 8 | 番号 | 名前 |
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(1)  $y' = -y^2$

(2)  $y' = \frac{y-1}{xy}$

(3)  $y' = \tan x \tan y$

(4)  $(1-x^2)y' = x(y^2+1)$

(5)  $(1+x^2)y' = x(y^2-1)$

(6)  $(2x+y) + (x+2y)y' = 0$

(7)  $(x^2+2xy-y^2) + (y^2+2xy-x^2)y' = 0$

(8)  $xy' = y + \sqrt{x^2+y^2}$

(9)  $(3x+y-2) + (x+y)y' = 0$

(10)  $(2x-3y+4) + (3x-2y+1)y' = 0$