

Сдвиг оси

$$(6x + 5)^2(3x + 2)(x + 1) = 35 \cdot 12$$

$$(6x + 5)^2 \cdot 2 \cdot (3x + 2) \cdot 6 \cdot (x + 1) = 35 \cdot 12$$

$$(6x + 5)^2(6x + 4)(6x + 6) = 35 \cdot 12$$

$$6x + 5 = t$$

$$t^2(t-1)(t+1) = 35 \cdot 12$$

$$t^2(t^2-1) = 35 \cdot 12$$

$$t^2 = v$$

$$v^2 - v - 35 \cdot 12 = 0$$

$$D = 1 + 140 \cdot 12 = 1681$$

$$v_1 = (1 + 41) / 2 = 21$$

$$v_2 = (1 - 41) / 2 = -20$$

$$t^2 = 21$$

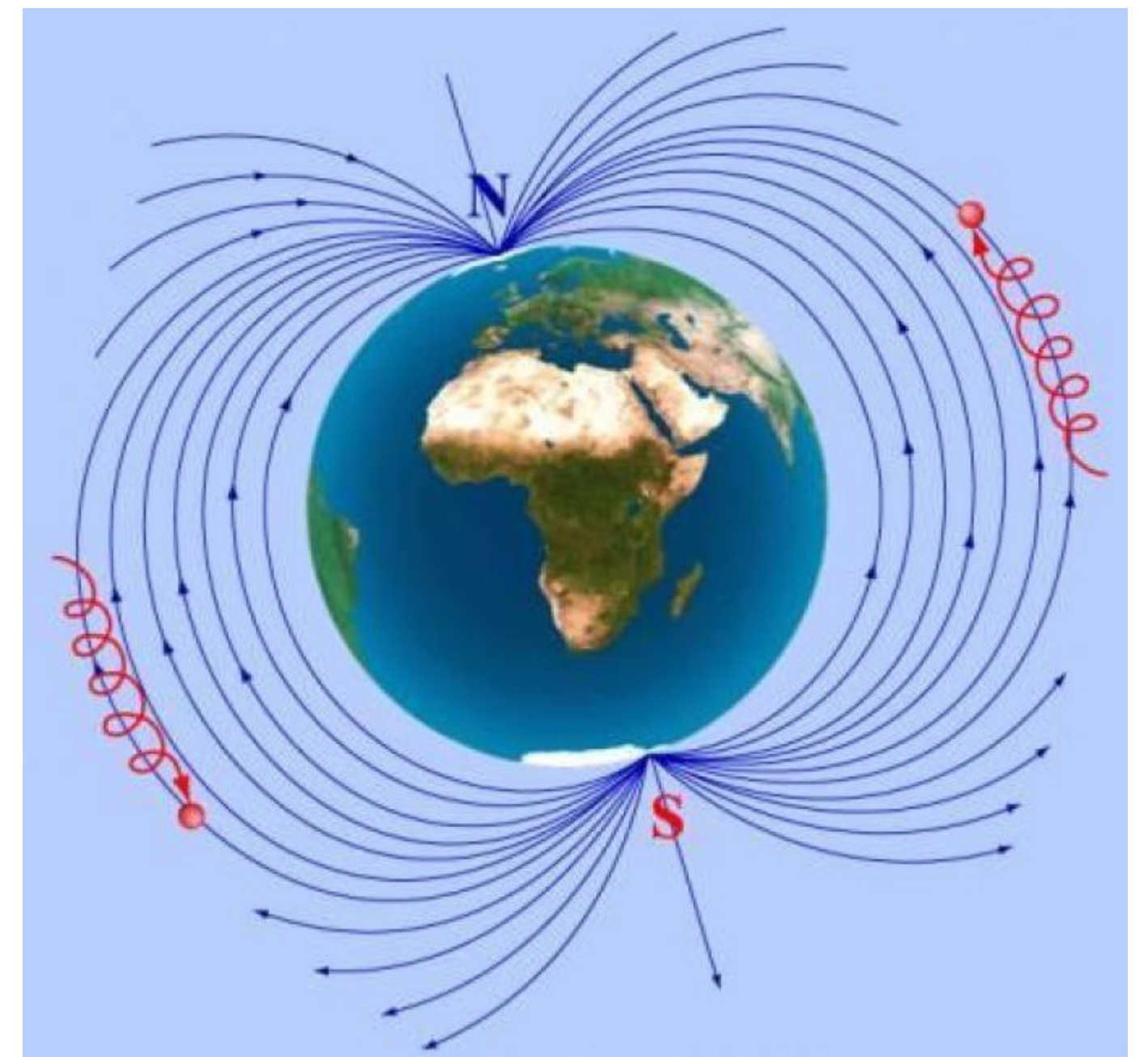
$$t = \pm \sqrt{21}$$

$$6x + 5 = \pm \sqrt{21}$$

$$x = (\pm \sqrt{21} - 5) / 6$$

$$t^2 = -20 \quad \text{no answer}$$

$$\text{answer : } (\pm \sqrt{21} - 5) / 6$$



неудачная попытка

$$x+1 = t$$

$$(6t - 1)^2(3t-1)(t) = 35$$