

5.6

Můžeme se přičinmo pokusit vypočítat a, b, c, d:

$$ax + by + cz + d = 0, \text{ tak aby}$$

$$\forall t: a \frac{2t+1}{t-1} + b \frac{t^2}{t-1} + c(t+2) + d = 0$$

NEBO

$$c = \left( \frac{2t+1}{t-1}, \frac{t^2}{t-1}, t+2 \right) \quad c(2) = (5, 4, 4)$$

$$c' = \left( \frac{(t-1)2 - (2t+1)}{(t-1)^2}, \frac{(t-1)2t - t^2}{(t-1)^2}, 1 \right) = \quad t=2$$
$$= \left( \frac{-3}{(t-1)^2}, \frac{t^2-2t}{(t-1)^2}, 1 \right) \quad c'(2) = (-3, 0, 1)$$

$$c'' = \left( (-2) \frac{-3}{(t-1)^3}, \frac{(t-1)^1(2t-2) - 2(t-1)(t^2-2t)}{(t-1)^4}, 0 \right) =$$

$$= \left( \frac{6}{(t-1)^3}, \frac{(t-1)(2t-2) - 2(t^2-2t)}{(t-1)^3}, 0 \right) \quad c''(2) = (6, 2, 0)$$

$$c' \times c'' = (-3, 0, 1) \times (6, 2, 0) = (-2, 6, -6)$$

$$\vec{b}(2) = \frac{1}{\sqrt{19}} (-1, 3, -3)$$

OSKUL. ROVINA } u t=2

normál vekt. } je  $\vec{b}(2)$

$$-x + 3y - 3z + 5 = 0$$

$$-1x + 3y - 3z + d = 0$$

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A OVRÍME, JE V NI KŘIVKA LEŽÍ!

$$-5 + 12 - 12 + d = 0$$
$$d = 5$$