Mondions vectorielles, dérivées et intégrales. Elian Witzel Marco Série 4. 8MAP107 WITH 20040400 10.1) 10) 17/02/2024 38 m pose x=t >> y=62 et z=462+64 Soit r(E)= (E, E2, 4E2+E4). , EER. 43) Graphiquement, on observe que les courbles se craisent en un joint. Par le calcul, on résont; 1t2=4t-3 | £2-4t+3=0 0 $\begin{cases} \dot{\xi}^2 = 7t - 12 \implies \begin{cases} \dot{\xi}^2 - 7t + 12 = 0 \end{cases} \\ \dot{\xi}^2 = 5t - 6 \end{cases}$ 1 $\Delta = 16 - 9 \times 1 \times 3 = 9$ $t_1 = \frac{9 - 2}{2} = 1$ $t_2 = \frac{9 + 12}{2} = 3$ 2 $\Delta = 99 - 9 \times 1 \times 12 = 1$ $t_1 = \frac{9 + 1}{2} = 9$ $t_2 = \frac{9 - 1}{2} = 3$ 3 $\Delta = 25 - 9 \times 1 \times 6 = 1$ $t_1 = \frac{5}{2} = 2$ $t_2 = \frac{5}{2} = \frac{3}{3}$ Danc au point (3, 9, 9), les courses de crossent,

10.2) (18) (in a
$$\vec{r}$$
 (f) = 2 sum(f) \vec{r} + 2.cos(f) \vec{r} + tont) \vec{r} .

A \vec{r} (f) = (2.cos(f), -2 sim(f), cas(f))

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