

Subject: Session 57

Year . Month . Date . ()

Date _____

1. $I = \int_{C_1} + \int_{C_2}$

$$r_1 = \langle n, 1 \rangle = \langle t, 1 \rangle$$

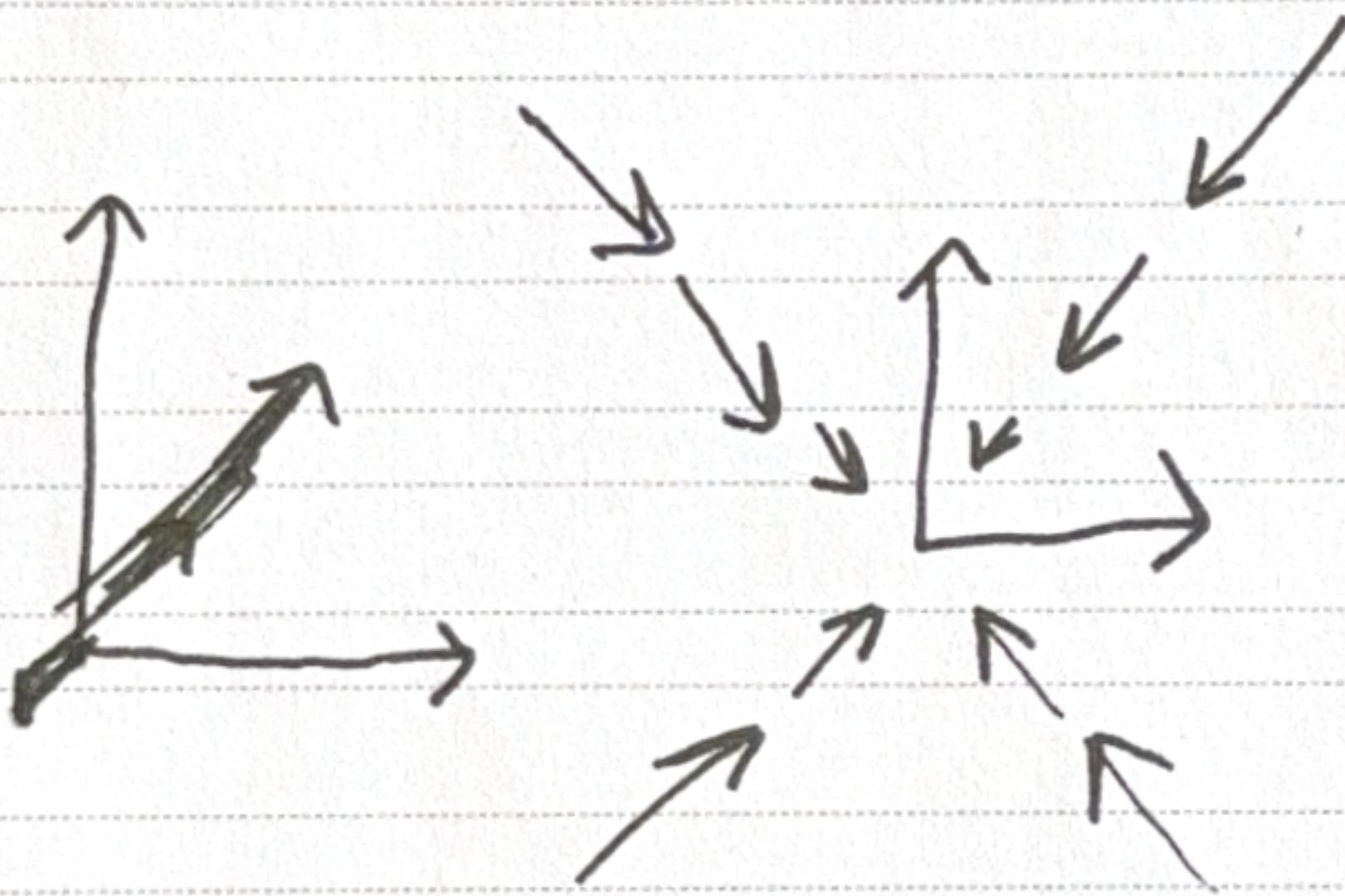
$$\int_{C_1} = \int_0^1 1 + t dt = \frac{t^2}{2} \Big|_0^1 = \frac{1}{2}$$

$$r_2 = \langle 1, -t \rangle = \langle 1, -t \rangle$$

$$\int_{C_2} = \int_1^0 1 - 2t dt = -\frac{2t^2}{2} \Big|_1^0 = -2$$

$$I = 1 - 2 = -1$$

2.



It's like a
well.