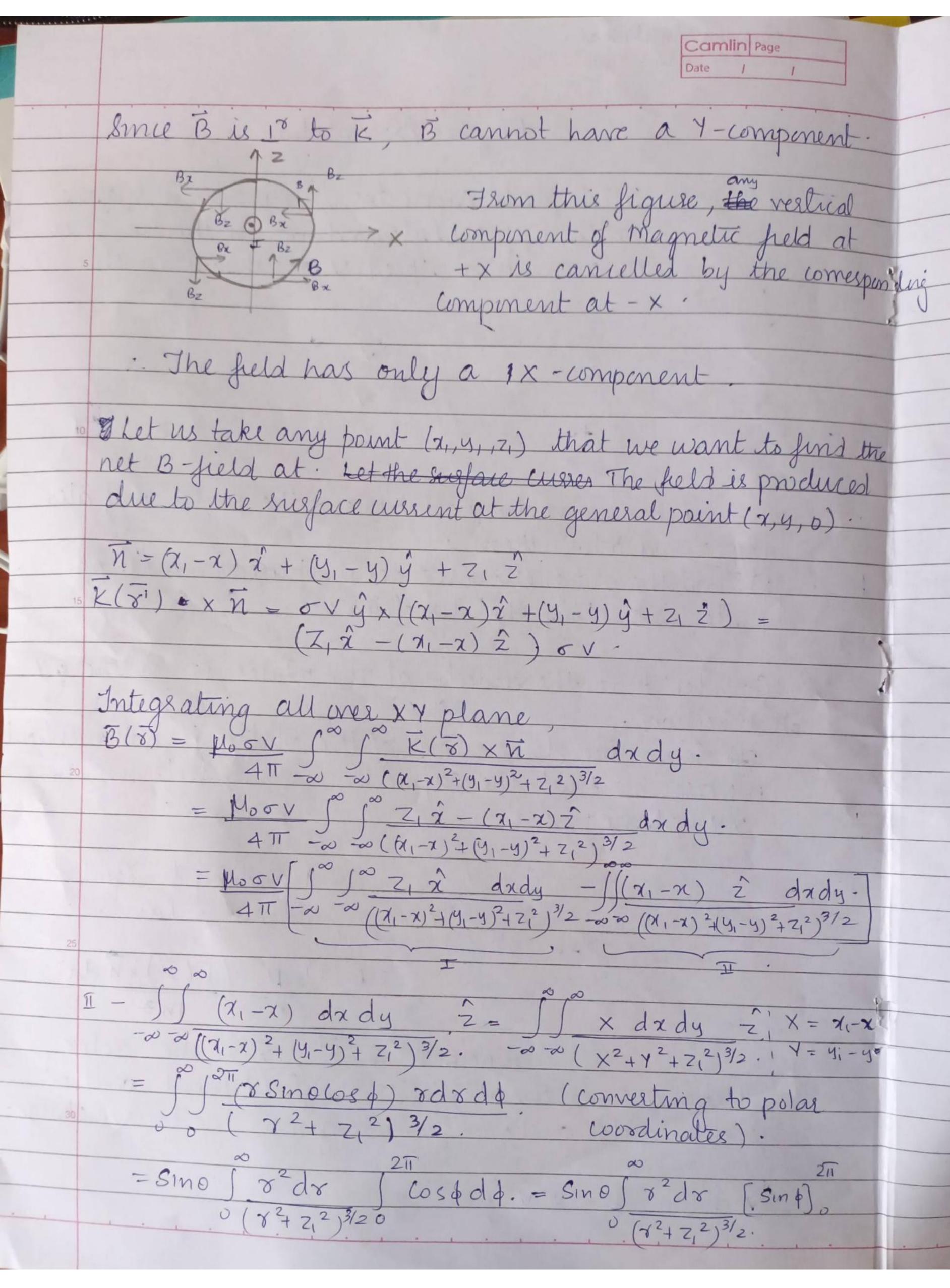
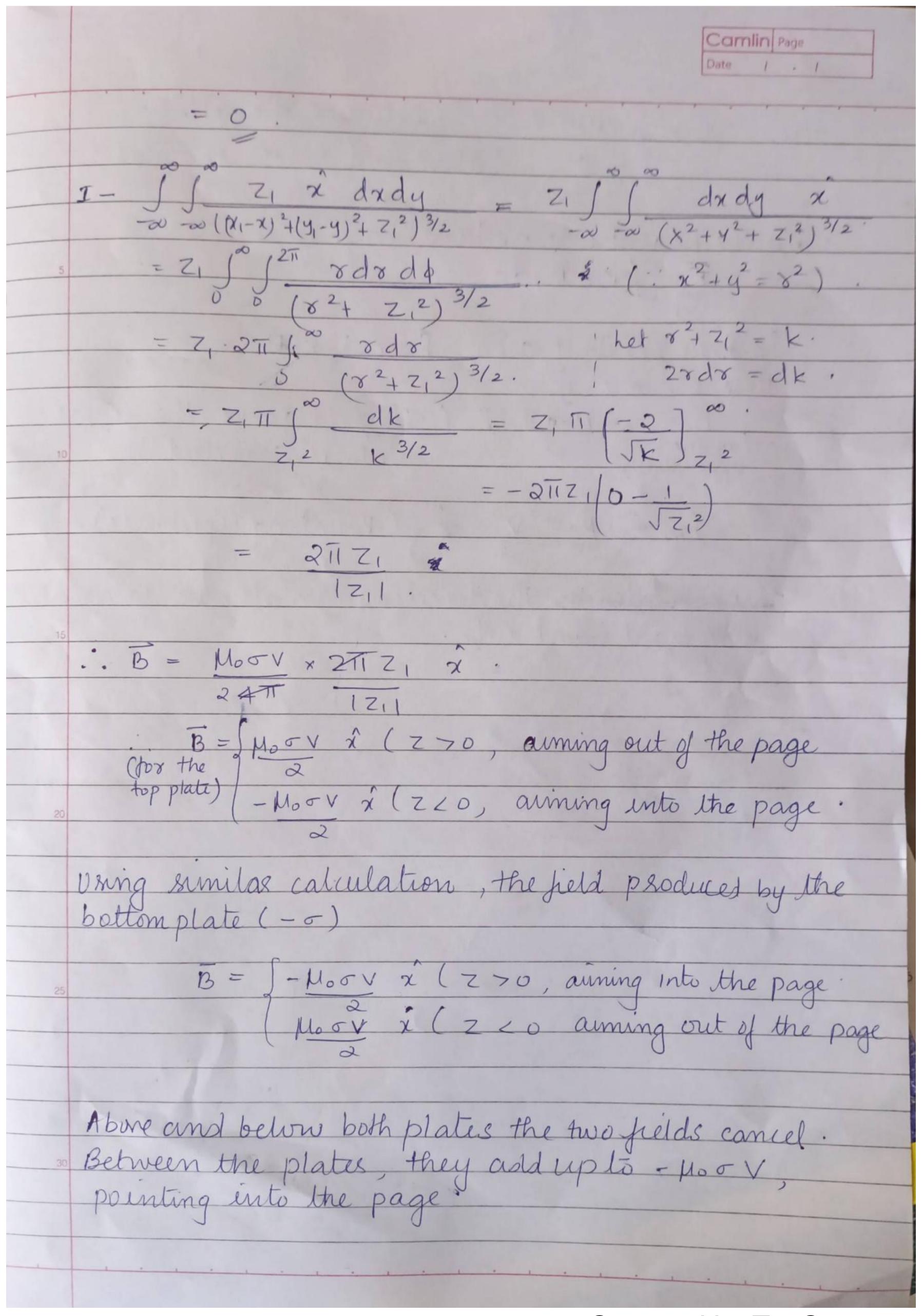
	Gaadha Vinukumar 20211082.
	Physics Presentation
5	A large parallel-plate capacitor with uniform surface charge on the upper plate and -o on the lower is moving with a constant speed V, as shown in the
	figure.    A   A   A   A   A   A   A   A   A
10	a) Find the magnetic field between the plates and also
	above and below them.  b) Find the magnetic force per unit area on the upper plate, including the direction.
2)	Consider that the velocity of the plates is in the & Y. direction.
20	Ja since the dimension of the plates is not mentioned we assume that the capacitox is infinite in the XY-plane; z
- 12 16 16 16	Single = Savart's Law.
25	$\overline{B(\overline{s})} = \mu_0 \int \overline{E(\overline{s'})} \times \hat{h} da'$ $\overline{A\pi} = \mu_0 \int \overline{E(\overline{s'})} \times \hat{h} da'$
30	where $T_1 = \overline{s} - \overline{s}'$ , $\overline{s}$ is the vector dutance from the origin to the field point and $\overline{s}'$ is the vector distance from origin to the source charge.
	we know, $\vec{k} = \sigma V \hat{y}$





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