

Microsoft Teams

Introduction to Drives-20210419_091808-Meeting Recording.mp4

Microsoft Teams

Introduction to Drives

2021-04-19 03:48 UTC

Recorded by: padmashree v kulkarni

0:00

53:37

The image shows a video player interface. On the left, a presentation slide titled "EM Wave equation in terms of electric field using Maxwell's equation (Free space)" is displayed. The slide contains the following text and equations:

Let us consider the two curl equation of Maxwell,

$$\nabla \times \vec{E} = -\frac{d\vec{B}}{dt}$$

$$\nabla \times \vec{H} = \vec{j} + \frac{\partial \vec{D}}{\partial t}$$

So, we have the DPE, $\vec{D} = \epsilon \vec{E}$

$$\nabla \times \vec{H} = \vec{j} + \epsilon \frac{d\vec{E}}{dt} \quad (1)$$

$$\nabla \times \vec{E} = -\mu \frac{d\vec{H}}{dt} \quad (2)$$

Let us consider the wave equation in terms of electric field, for which we need eliminate H between the two equations by taking curl for both side of equation

On the right side of the video player, a gallery view of a meeting is visible, showing several participants' video feeds and their names.

3rd Sem - AEC - RSS - Module 4 Power Amplifiers-20220210_10...

Engineering Physics 3rd IA

Handwritten notes on a slide:

$$KE = \frac{1}{2} m v^2 = \frac{1}{2} m \left(\frac{dy}{dt} \right)^2 = \frac{1}{2} m \frac{dy^2}{dt^2}$$

Total Energy, $E = KE + PE$

$$E = \frac{1}{2} m \frac{dy^2}{dt^2} + \frac{1}{2} k y^2$$

$$\frac{dE}{dt} = m \frac{dy}{dt} \frac{d^2y}{dt^2} + k y \frac{dy}{dt}$$

$$m \frac{d^2y}{dt^2} = -k y$$

4.07

4.10

Handwritten notes on a slide:

In the presence of non linearity, the input-output relation can be expressed as:

$$y = G_1 x + G_2 x^2 + G_3 x^3 + \dots \quad (A)$$

where the first term represents the linear term followed by the nonlinear terms. For instance if the input is sinusoidal of large amplitude, say

$$x = A \cos \omega t \quad (B)$$

Then Equation (A) becomes

$$y = G_1 A \cos \omega t + G_2 A^2 \cos^2 \omega t + G_3 A^3 \cos^3 \omega t + \dots$$

which can be expressed in the general form as

$$y = A_0 + A_1 \cos \omega t + A_2 \cos 2\omega t + A_3 \cos 3\omega t + \dots \quad (C)$$

In Equation (C)

- A_0 is the DC term

Faculty_Sharmila Subject_Microcontroller Date_20-01-2022 Ti...

1st sem- BEE- F Section- RSS- Parallel AC Circuits. Date_-11_0...

Handwritten notes on a slide:

the current in each branch of the total current drawn by parallel circuit is $10 \angle 30^\circ$ A

Circuit diagram showing a parallel AC circuit with a voltage source and three branches containing impedances of 20Ω , 15Ω , and 30Ω .

$$Z_1 = (20 + j15) \Omega = 25 \angle 36.87^\circ \Omega$$

9:52

32:48

8:51

46:47

Sl. No	Name of the Faculty	Name of the Subject	Plat form	Link	Image
1	Sharmila R S	AEC	Teams	https://donboscoit-my.sharepoint.com/:v/g/personal/s_harmilars_dbit_co_in/EepqL58rd69DlpiWDu8ggS8BmLdUJHo5dHdY5dUwtuUBbg	
2	Sulochana I Akkalkot	Op-amp LIC	Teams	https://teams.microsoft.com/l/meetup-join/19%3ameeting_MjU3MGM2ZjctMTk4MS00MDMxLTg1ODQtODU2ODZkNGMyYmQ4%40thread.v2/0?context=%7b%22Tid%22%3a%22fa0cbc53-6d9b-4460-9699-1d6ff6dc868e%22%2c%22Oid%22%3a%22edd00c1-18f2-4507-a9ea-18c62ab5e2d0%22%7d	
3	Padmashree V Kulkarni	IDA	Teams	https://teams.microsoft.com/l/meetup-join/19%3ameeting_MjU3MGM2ZjctMTk4MS00MDMxLTg1ODQtODU2ODZkNGMyYmQ4%40thread.v2/0?context=%7b%22Tid%22%3a%22fa0cbc53-6d9b-4460-9699-1d6ff6dc868e%22%2c%22Oid%22%3a%22edd00c1-18f2-4507-a9ea-18c62ab5e2d0%22%7d	
4	Rajath Shankar P.S	EMD	Teams	https://teams.microsoft.com/l/meetup-join/19%3af774e728737945b28f2098aa3963f510%40thread.tacv2/1619918763129?context=%7b%22Tid%22%3a%22fa0cbc53-6d9b-4460-9699-1d6ff6dc868e%22%2c%22Oid%22%3a%2270234ab7-dfd4-4805-acc8a95ec277c8ea%22%7d	
5	Dr.Anguraja Ramaswami	PSOC	Teams	https://teams.microsoft.com/l/meetup-join/19%3ai_aQFhg5OvWX_WFKZekEDwna0ChGEXq63OTCWZQze6Q1%40thread.tacv2/1623590636913?context=%7b%22Tid%22%3a%22fa0cbc53-6d9b-4460-9699-1d6ff6dc868e%22%2c%22Oid%22%3a%2261dafec3-2c4f-41fb-ad3b-28182a238f27%22%7d	
	Sharmila R S	BEE	Teams	https://donboscoit-my.sharepoint.com/:v/g/personal/s_harmilars_dbit_co_in/EYzk5xp8hcI0hKuj0iYqcSOBYMN0xDRBdBnLIojPiZc-gw	
	Sharmila R S	Microcontroller	Teams	Faculty_ Sharmila Subject_ Microcontroller Date_ 20-01-2022 Time_ 12.45 to 1.45 0M-20220120_125415-Meeting Recording.mp4	