## Lecture 12

Friday, 16 February 2024 3:37 PM

## EE114 - Power Engineering 1

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× Skin effet:

In AC circuits, the current tends not to flow mijourly across the consection of view. It flowers at the cutter periphery of the rive (near the surface of noise. This changes the effective resistance of the reine.

Rdc # Lac

& S - skin depth > crossection of neine

Kac & & a

Rac & S & =

Suppose flux is increasing as

Due to lenz law, a survent tends to flow such as to reduce 8 due to I, It tends

to flow in a loop as shown in the cross section. The werent in the middle of neine gete canalled. Therefore, net around flower at the periphery.