Lec 09: Solving Second-Order Linear ODE's with constant (o.efficient's.

y"+ Ay'+ By=0 (homogenous eqn)

Assume: general solution's

y = C141 + C242

where y, and y2 are solution's.

All we have to find in 2 solutions

Initial conditions are satisfied by
Choosing and Cr.

two sindependent solutions.

BASIC rockhod: toy y= ext

(Ata)=0 (Chanceferistic 60m)

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215-0 (Dant)

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