NPTEL

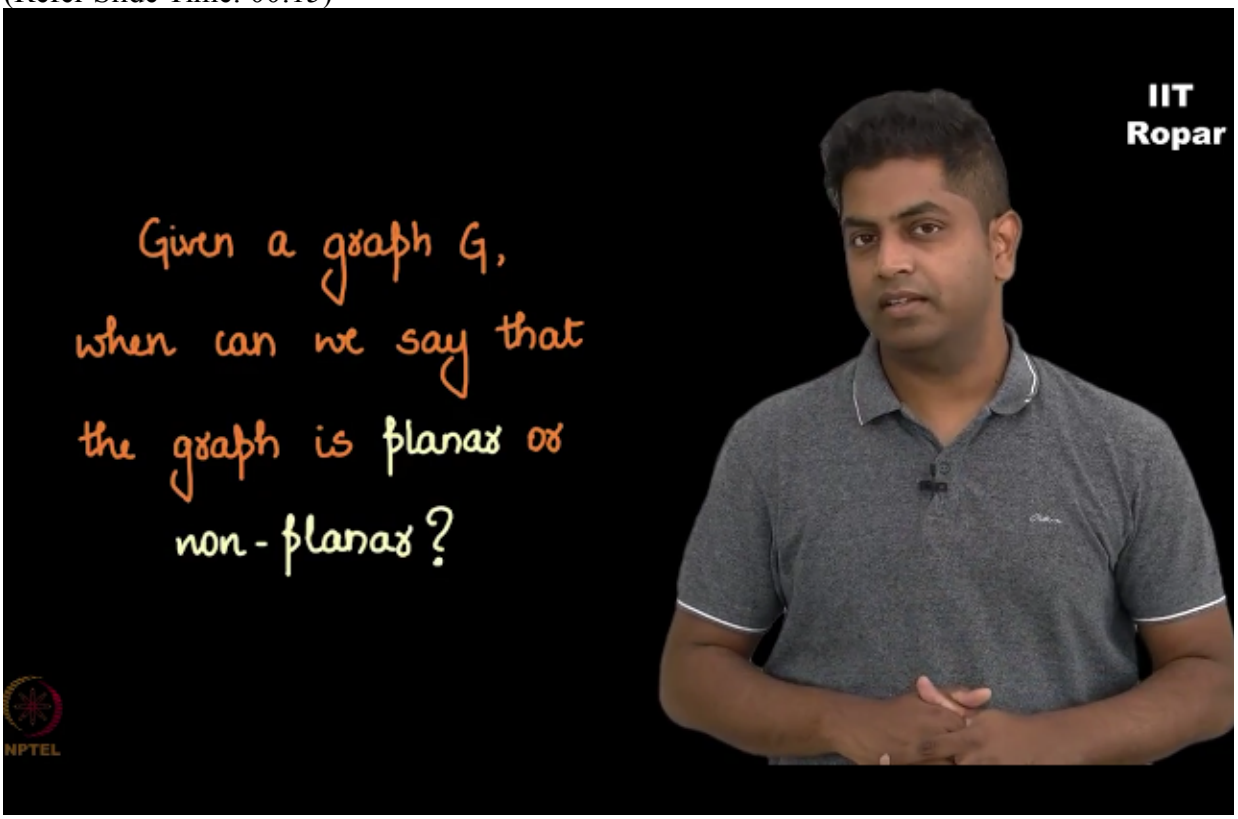
NPTEL ONLINE CERTIFICATION COURSE

Discrete Mathematics
Graph Theory – 2

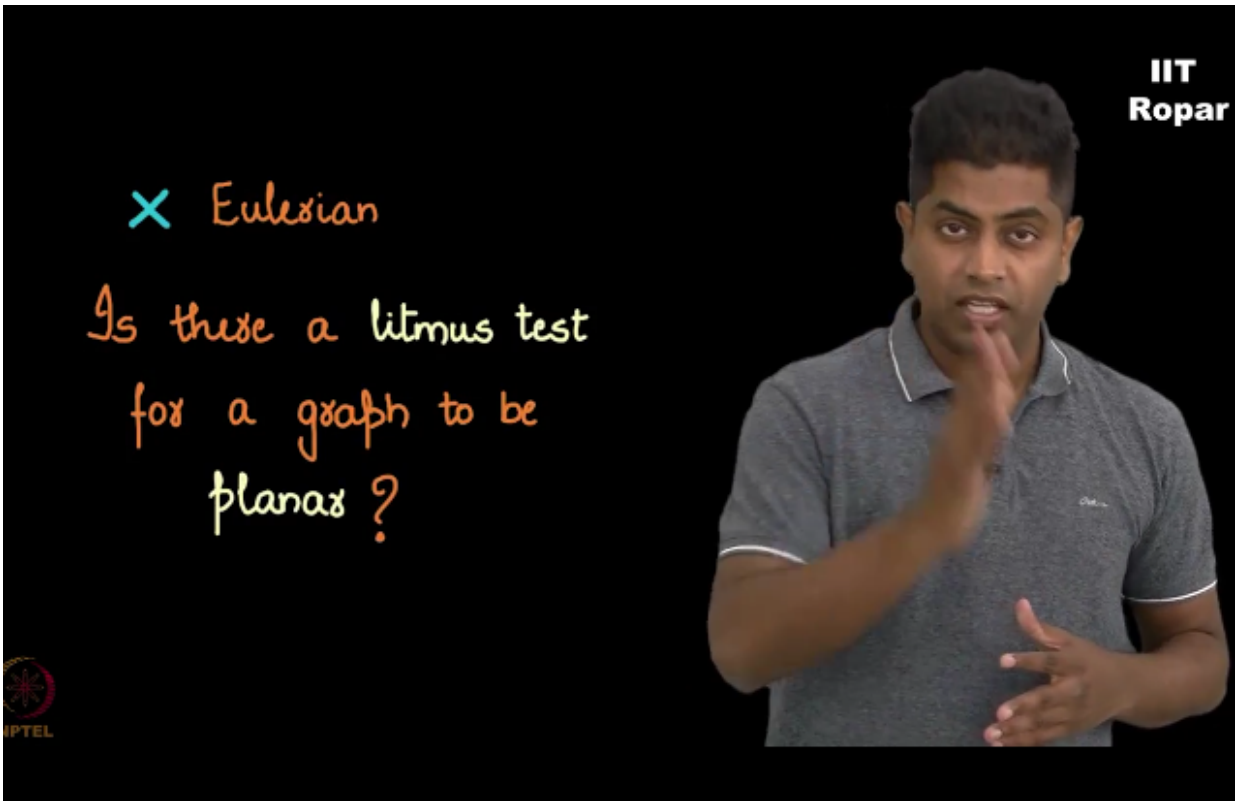
Litmus test for planarity

By
Prof. S.R.S Iyengar
Department of Computer Science

Now the general, a question for you all, given a graph G when can I say that the graph is planar or non-planar, this is the way, is there a way in which I can say it?
(Refer Slide Time: 00:15)



Remember, given a graph I could say whether it's Eulerian or not, that was very easy, just to recollect all vertices should be of even degree, then it will be Eulerian, is there a such a Litmus test for a graph to be planar?
(Refer Slide Time: 00:28)



How easily can we say that, yes this is planar or no this is not planar.

IIT MADRAS PRODUCTION

Founded by
Department of Higher Education
Ministry of Human Resources Development
Government of India

www.nptel.iitm.ac.in