

NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Electrical Engineering - NOC:DC Power Transmission Systems

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Co-ordinating Institute - IIT - Madras

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

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Lecture 3 - Historical developments
Lecture 4 - Power semiconductor devices
Lecture 5 - General converter configuration
Lecture 6 - Choice of converter configuration
Lecture 7 - Choice of converter configuration
Lecture 8 - Converter configuration for pulse number equal to 6
Lecture 9 - Analysis of 6 pulse LCC neglecting inductance
Lecture 10 - Analysis of 6 pulse LCC neglecting inductance
Lecture 11 - Analysis of 6 pulse LCC neglecting inductance
Lecture 12 - Fourier series - Part 1
Lecture 13 - Fourier series - Part 2
Lecture 14 - Analysis of 6 pulse LCC neglecting inductance
Lecture 15 - Analysis of 6 pulse LCC neglecting inductance
Lecture 16 - Definitions
Lecture 17 - Commutation margin angle in a 6 pulse LCC neglecting inductance - Part 1
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Lecture 19 - Instantaneous power on AC and DC sides in a 6 pulse LCC neglecting inductance
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Lecture 25 - 2 and 3 valve conduction mode of 6 pulse LCC
Lecture 26 - Extinction angle
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Lecture 28 - 3 and 4 valve conduction mode of 6 pulse LCC
Lecture 29 - Analysis of 3 and 4 valve conduction mode of 6 pulse LCC - Part 1

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- Lecture 40 - 6 pulse LCC with resistance included on the AC side
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- Lecture 52 - Types of DC link
- Lecture 53 - DC link control
- Lecture 54 - DC link control
- Lecture 55 - Considerations that influence selection of control
- Lecture 56 - Converter control characteristics
- Lecture 57 - MTDC systems
- Lecture 58 - Types of MTDC systems
- Lecture 59 - Non-characteristic harmonics
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