


Fundamentals of Electric Circuits ▾	
📄 Course Object title(00:19:03)	SHOW ▶ PLAY ▶
AC Network ▾	
📄 Course Object title(00:25:16)	SHOW ▶ PLAY ▶
AC Network Analysis Methods ▾	
📄 Course Object title(00:19:40)	SHOW ▶ PLAY ▶
Three-Phase Power ▾	
📄 Course Object title(00:17:42)	SHOW ▶ PLAY ▶
Three-Phase Power Analysis ▾	
📄 Course Object title(00:13:20)	SHOW ▶ PLAY ▶
Introduction to Electrical Machines ▾	
📄 Course Object title(00:21:26)	SHOW ▶ PLAY ▶
Transformer Construction and Model ▾	
📄 Course Object title(00:23:17)	SHOW ▶ PLAY ▶

3 AC Network and Analysis Methods

Basic Electrical Engineering



Content

2. The Branch Current Method

2. The Branch Current Method

Solving equation system with complex number

$$\begin{cases} \dot{I}_1 - \dot{I}_2 - \dot{I}_3 = 0 \\ Z_1 \dot{I}_1 + Z_2 \dot{I}_2 = \dot{E}_1 \\ -Z_2 \dot{I}_2 + Z_3 \dot{I}_3 = -\dot{E}_3 \end{cases}$$

$$\begin{cases} \dot{I}_1 - \dot{I}_2 - \dot{I}_3 = 0 \\ (2 + j2)(\dot{I}_1 + \dot{I}_2) = 120 \angle 0^\circ \\ (2 + j2)(-\dot{I}_2 + \dot{I}_3) = -120 \angle 0^\circ \end{cases}$$

Intro

Lecturer

Application

Wrap-up

<<
15/35
>>

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Scoring

* Total Posts **82**, Scoring Completed **0**, Not Yet graded **82** End of evaluation: 2018.07.15 23:59

Scores Distribution : **4**Point

Name | Total Scores

Name(ID)	E-mail	Individual Evaluation	Total Scores
Cao Xuân Lâm(20162301)	20162301@student.hust.edu.vn	-	0
Đặng Tú Anh(20155020)	20155020@student.hust.edu.vn	-	0
Đào Đức Tâm(20146622)	20146622@student.hust.edu.vn	-	0
Đào Duy Tùng(20156803)	20156803@student.hust.edu.vn	-	0
Đào Xuân Thắng(20156495)	20156495@student.hust.edu.vn	-	0
Đinh Công Tuyên(20166942)	20166942@student.hust.edu.vn	-	0
Đinh Thị Linh(20155918)	20155918@student.hust.edu.vn	-	0
Đỗ Kiên Cường(20155207)	20155207@student.hust.edu.vn	-	0

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Details	Status	Scoring	Grade Distribution
Path	Electrical Engineering 2017-2018/02_02/101658 > DC Generators and DC Motors		
Title	Thảo luận 3		
Participating Type	Individual	Score/Evaluation	Scores Assigned 4.0 points / total of 20 points / Individual Evaluation

* Total **8**

Date | Views

NO	Title	Posted by(ID)	Date	Views
8	manhchung233@gmail.com	Đỗ Mạnh Chung(20125419)	2018.04.17 11:50	0
7	caoxuanlam1998@gmail.com	Cao Xuân Lâm(20162301)	2018.03.30 10:10	0
6	sv	Phạm Hoài Giang(20166023)	2018.03.16 12:27	0

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Synchronous Machines ▾			
	Course Object title(00:27:54)		SHOW ▶ PLAY ▶
DC Machinery Construction and Working Principle ▾			
	Course Object title(00:20:10)		SHOW ▶ PLAY ▶ Annotate This Image
DC Generators and DC Motors ▾			
	Course Object title(00:20:44)		SHOW ▶ PLAY ▶
Thảo luận 2	Total Posts8	No Action75	[Scoring] SHOW ▶ PLAY ▶ SETTING
Thảo luận 3	Total Posts8	No Action74	PLAY ▶ SETTING
Thảo luận 4	Total Posts7	No Action75	SHOW ▶ PLAY ▶ SETTING
Thảo luận 5	Total Posts9	No Action75	SHOW ▶ PLAY ▶ SETTING

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Electrical Engineering 2017-2018/02_01/101656 (Electrical Engineering 2017-2018/02_01/101656)

STAND BY

36%

- Learning Period 2018.01.15 00:00 ~ 2018.06.30 23:59
- Period 2018.01.15 00:00 ~ 2018.02.28 23:59
- Lecturer Nguyen Nga Viet(vietnn) (viet.nguyennga@hust.edu.vn)
- Average of Progress
- Recommended Progress

[GO TO CLASS](#)

Student Registered | **82** Progress Slowed | **64** No Response from Course Counseling | **0**

Not Yet Submitted | **Assignment1** **Discussion3**

Electrical Engineering 2017-2018/02_02/101658 (Electrical Engineering 2017-2018/02_02/101658)

STAND BY

30%

- Learning Period 2018.01.15 00:00 ~ 2018.06.30 23:59
- Period 2018.01.15 00:00 ~ 2018.02.28 23:59
- Lecturer Nguyen Nga Viet(vietnn) (viet.nguyennga@hust.edu.vn)
- Average of Progress
- Recommended Progress

[Go to Class](#)

Student Registered | **82** Progress Slowed | **69** No Response from Course Counseling | **0**

Not Yet Submitted | **Assignment1** **Discussion4**