Course outline

Week-0

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

Week 9

Lecture 33: Enstrophy

Spectrum and Flux

Quiz : Assignment 9

Assignment 9 Solution

Feedback For Week 09

Turbulence

Lecture Slides

Week 10

Week 11

Week 12

Live Session

Text Transcripts

 $\left(\frac{\epsilon_{\omega}}{\sqrt{\nu}}\right)^{\frac{1}{6}}$

Score: 0

 $(\boldsymbol{\omega} \cdot \nabla)\mathbf{u}$

 $(\mathbf{u} \cdot \nabla)\mathbf{u}$

 $(\mathbf{u} \cdot \nabla)\boldsymbol{\omega}$

No, the answer is incorrect.

Accepted Answers:

 $\nabla^2 \mathbf{u}$

Score: 0

 $(\boldsymbol{\omega} \cdot \nabla)\mathbf{u}$

 $\frac{\frac{1}{6}}{\sqrt{\nu}}$

this?

No, the answer is incorrect.

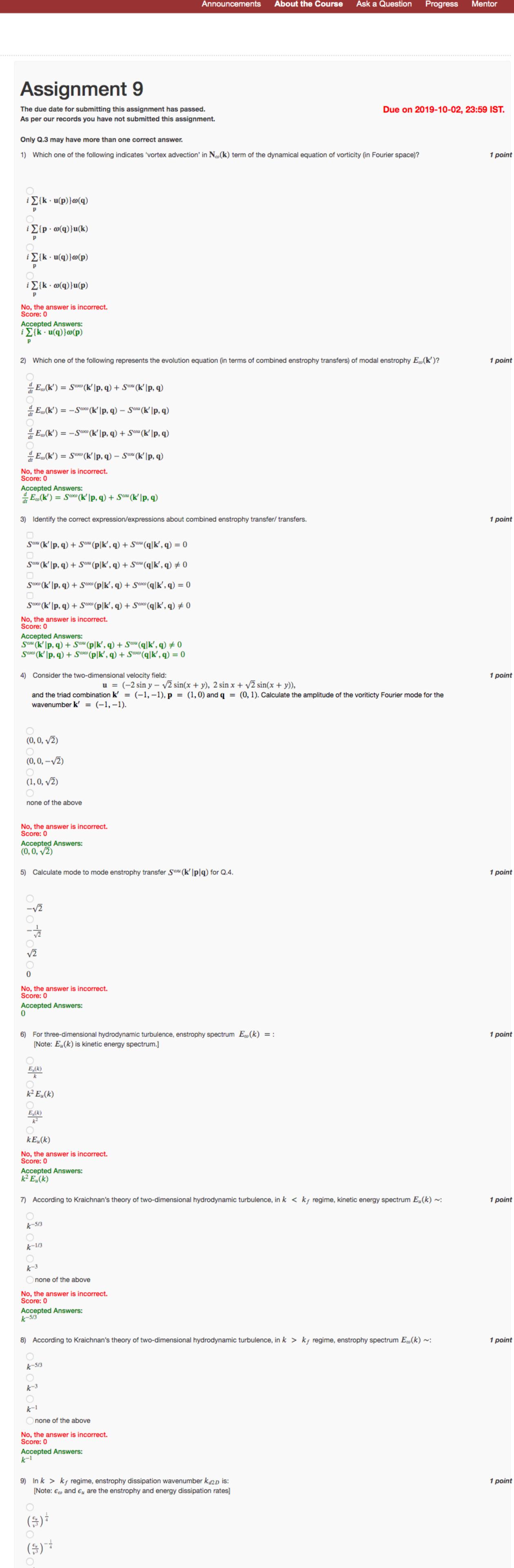
Accepted Answers:

Lecture 34: Two-dimensional

How to access the portal?

Unit 11 - Week 9

NPTEL » Physics of Turbulence



10) In 3D hydrodynamics, enstrophy is expected to increase. Which term of the dynamical equation of vorticity (in real space) is mainly responsible for 1 point