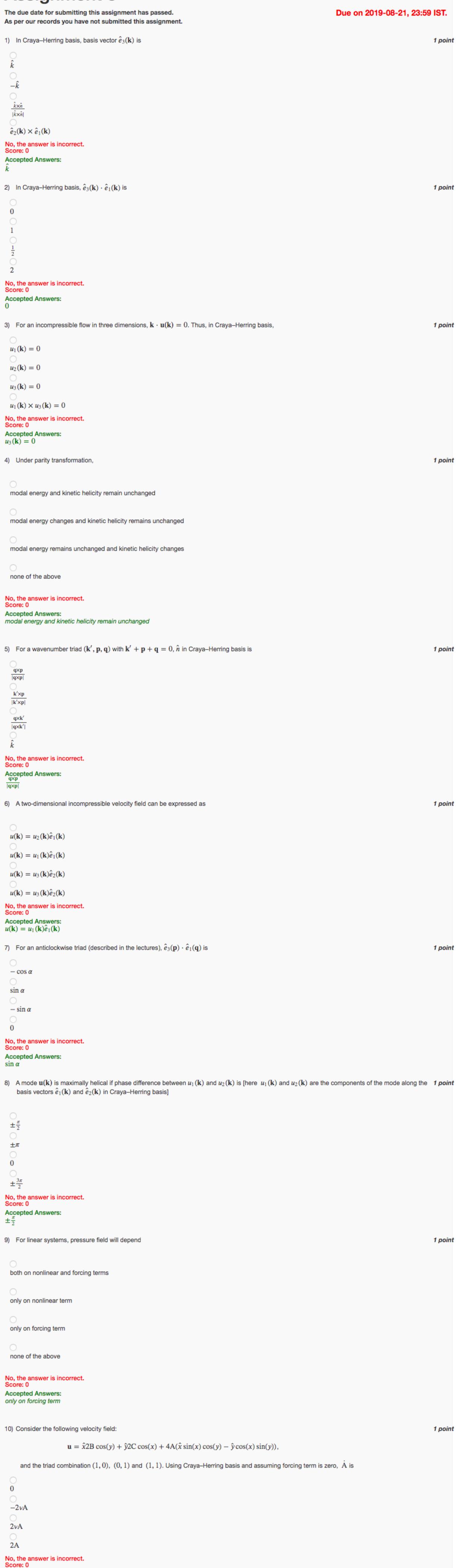
Unit 5 - Week 3

NPTEL » Physics of Turbulence

Course outline **Assignment 3** How to access the portal? The due date for submitting this assignment has passed. As per our records you have not submitted this assignment. Week-0 1) In Craya–Herring basis, basis vector $\hat{e}_3(\mathbf{k})$ is Week 1 \hat{k} Week 2 Week 3 Lecture 12: Craya-Herring Basis: Definitions $\hat{k} \times \hat{n}$ $|\hat{k} \times \hat{n}|$ Lecture 13: Craya-Herring Basis: Equations of Motion for $\hat{e}_2(\mathbf{k}) \times \hat{e}_1(\mathbf{k})$ a Triad No, the answer is incorrect. Lecture 14: Craya-Herring Score: 0 Basis: Equations of Motion for Accepted Answers: an Anticlockwise Triad Lecture Slides 2) In Craya-Herring basis, $\hat{e}_3(\mathbf{k})\cdot\hat{e}_1(\mathbf{k})$ is O Quiz: Assignment 3 Assignment 3 solution 0 Feedback For Week 3 1 Week 4 Week 5 2 Week 6 No, the answer is incorrect. Score: 0 Week 7 Accepted Answers: Week 8 3) For an incompressible flow in three dimensions, $\mathbf{k} \cdot \mathbf{u}(\mathbf{k}) = 0$. Thus, in Craya–Herring basis, Week 9 $u_1(\mathbf{k}) = 0$ Week 10 $u_2(\mathbf{k}) = 0$ Week 11 Week 12 $u_3(\mathbf{k}) = 0$ Live Session $u_1(\mathbf{k}) \times u_3(\mathbf{k}) = 0$ No, the answer is incorrect. **Text Transcripts** Score: 0 Accepted Answers: $u_3(\mathbf{k}) = 0$ Under parity transformation,



Accepted Answers:

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