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Pop Quiz

Multiple Choice

4/6 points (ungraded)

In the following, write your BRACU ID# and section number first. After you submit the quiz, it will show that the ID# and Section numbers are wrong. Please ignore this messages. You score will based on the MCQs only.

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Your Bracu ID #

19101239



Your Theory class section #:

☐ 1

☐ 2



☐ 3☐ 4☐ 5☒ 6

Below are the MCQs:

=====

Q#1: Least Square matrix approximation method is used to find an actual solution of an overdetermined system where transformation matrix A is no longer invertible. Is this statement true or false?

☐ True☒ False

Q#2: Two vectors are said to be orthogonal if

☐ $x^T y$ equals 0 which indicates angle between them is 360 degrees.☒ $x^T y$ equals 0 which indicates angle between them is 90 degrees.☐ $x^T y$ not equals 0.

Q#3: Which of the following statement is true?

☐ In an overdetermined system, we can get the solution using inverse matrix of coefficients.

☒ In an overdetermined system, coefficient matrix is not invertible.

☐ In an overdetermined system, we cannot find solution using Least Square matrix .

☐ In an overdetermined system, we get a square matrix of coefficients .



Q#4: Which of the following statement is true?

☐ $x^T y$ equals 0 for norm unity.

☐ Kronecker delta considers only orthogonality.

☒ Kronecker delta considers both orthogonality and norm unity .



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