ASSIGNMENT ON MAT 204 BY HARIM BELLO SHEHU 19/SCI01/100

**SINGULAR MATRICES:**

**Singular matrix is a square matrix which is invertible. Alternatively, a matrix is singular if and only if it has a determinant of 0.**

**Singular matrices are the square matrices which have zero determinant. This means that you won’t be able to invert such a matrix look more technically it means that the rank of such a matrix is less than its order. Since you have got a zero determinant. Linear transformation represented by singular matrices are not isomorphisms . This is because homomorphisms represented by such matrices are non-invertible.**

**Examples:**

**2 x 2 by matrix**

**3 x 3 matrix**

**NON-SINGULAR MATRIX**

**Non-singular matrix is a square one whose determinant is not zero. Thus a non-singular matrix is also as a full matrix.**

**EXAMPLES**

**Determinant of (6,5) (5,3)**