Eigen Values and Characteristics roots ?

To find Eigen values use, $| A - \lambda I | = 0$

For characteristics roots, $(A - \lambda I)X = 0$

When represents characteristics roots in matrix they called Eigen vectors.

If A is an n × n matrix, then the sum of the n eigenvalues of A is the trace of A and the product of the n eigenvalues is the determinant of A.

Eigenvalues of a Matrix and its Transpose are same.

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