

APPLICATION OF EIGENVALUES AND EIGENVECTORS IN OIL EXTRACTION

EIGENVECTORS IN OIL EXTRACTION APPLICATION OF EIGENVALUES AND



Oil companies frequently use Eigenvalue and Eigenvectors to help search for probable reserves of Oil.

They rely on the fact that the waves change when they pass through different materials in the ground

matrix Eigenvalue

$$\vec{A}\vec{v} = \vec{\lambda}\vec{v}$$

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EIGENVECTORS IN OIL EXTRACTION

- Companies deploy trucks cause vibration, then pick up the wave reflection data with the use of probes.
- The data gathered from these help in finalising the site of reserves.

References-

1. [iadc-dredgeing](#)
2. [Medium](#)
3. [Caly Poly Pomona](#)

