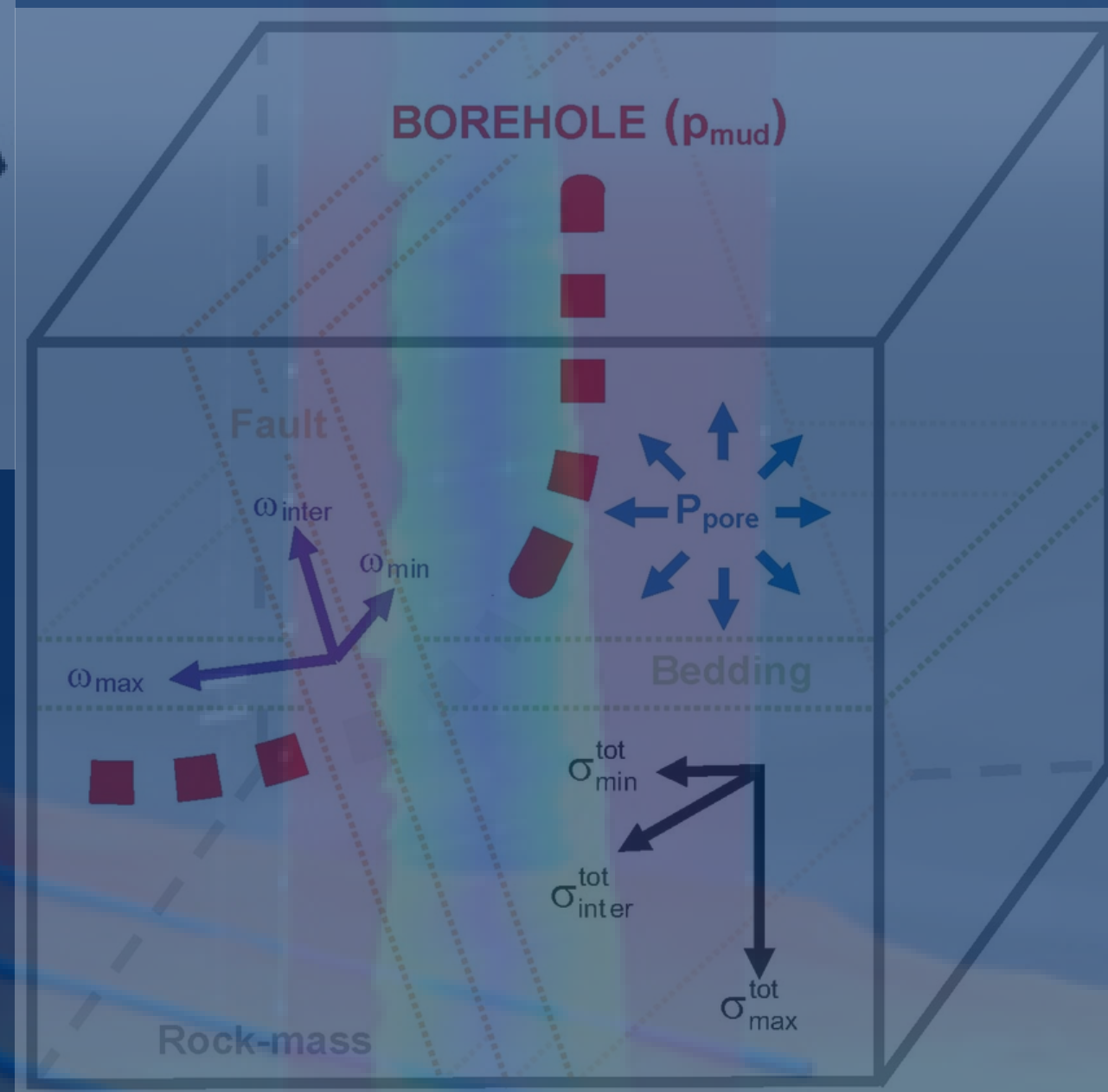
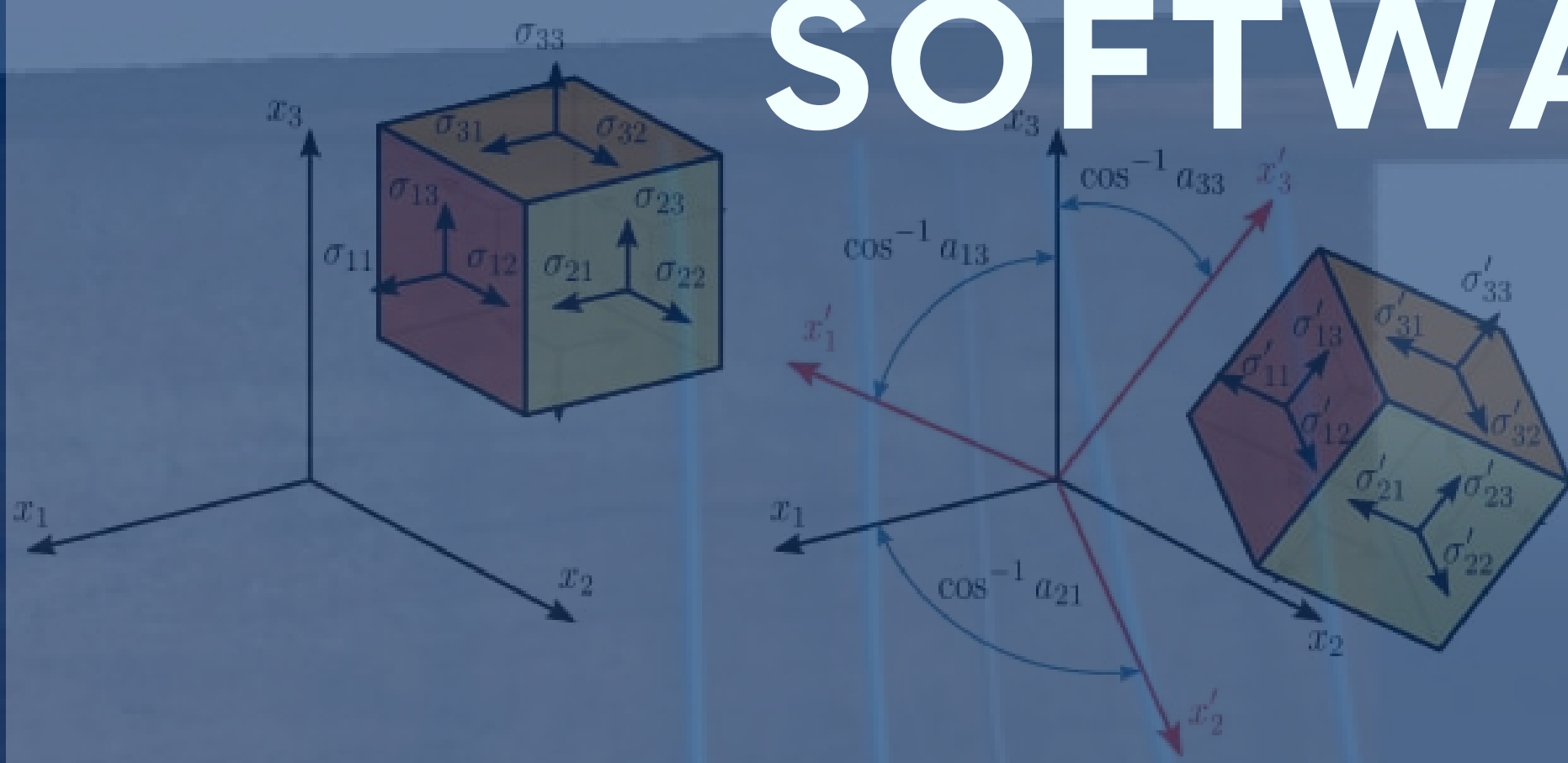


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AGENDA

INTRODUCTION TO GEOMECHANICS

- Importance of Geomechanics.
- Tectonic stress Field & Calculating Sv.
- Drilling Basics for Geologists.

PORE PRESSURE & FRACTURE PRESSURE

- Definition of Pp & Causes of overpressure.
- Definition of FG.
- Estimating the Pp & FG from Well Logs.
- Calibration using pressure data, Lot, Exlot.

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AGENDA

MECHANICAL EARTH PROPERTIES

- Basic constitutive laws.
- Estimating the Mechanical earth properties.
- Rock Strength Anisotropy.
- Fault friction & Crustal Strength

MEASURING STRESS ORIENTATION

- Earthquake data & WSM project.
- 4 Arm Caliper & FMI interpretation.
- Dipole shear Sonic. data, Lot, Exlot.

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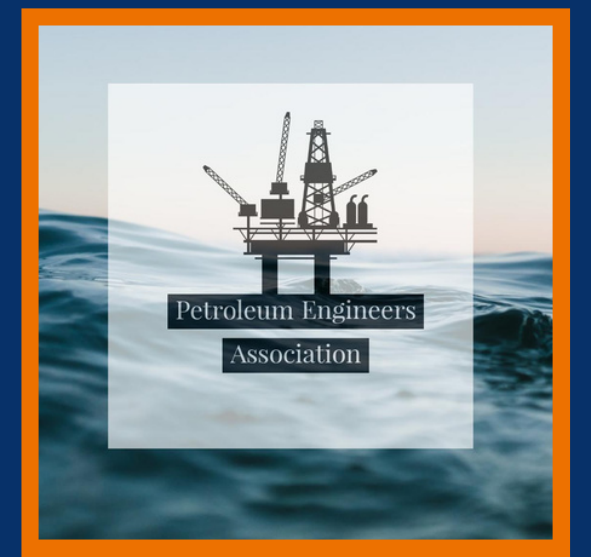


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AGENDA

**MECHANICAL EARTH PROPERTIES-
MEASURING STRESS MAGNITUDE**

- Modes of Rock Failure.
- Wellbore Failure in Vertical Wells.
- Wellbore Failure in Deviated Wells.
- Estimating Stress Magnitudes.
- Hydraulic Fracking.

**APPLICATION TO DRILLING , TRAP
INTEGRITY AND INDUCED SEISMICIT**

- Mohr Coulomb & Poro Elastic.
- Well Planning.
- Mitigating Sand production.

COMMENCING SOON!

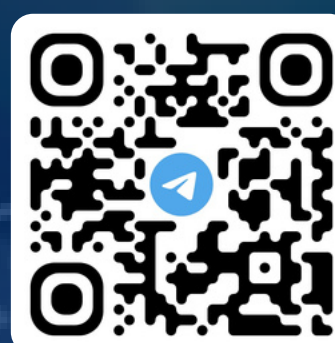
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AGENDA

APPLICATION RESERVOIR DEPLETION

- Structural Permeability Anisotropy.
- Fault Seal/Blown Traps.
- Hydrocarbon Migration Constraints.
- Case studies
- Using Software in identification of stressed faults.

DISCUSSION

PERKS & BENEFITS

- Recorded videos will be share on daily basis (access for lifetime)
- Study materials, PPTs, Notes Excel sheet will be share on daily basis.
- Certificate at the end of the course

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