

Title

Author1, A.B.

Organization 1, City, State, Country

Author2, C.D. and Author3, E.F.

Organization 2, City, State, Country

Author4, G.H.

Organization 3, City, State, Country

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The text of the paper should cover an area that has a width of 8 inches (203.2 mm) and height of 11 inches (279.4 mm). Each column must have an exact width of 3.5 inches (89 mm) and your two columns must be separated by a space of 0.3 inches (7.6 mm).

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4.2. Numbering

All sections and sub-sections must be numbered in Arabic numerals.

4.3. Lists

You may list items in your paper using bullets:

- Item No. 1

Table 1: Rock properties for rocks samples X and Y, as well as representative field values (Madyarov et al., 2021).

	Field Scale	X	Y
E_H (GPa)	30	17.55	23.2
ν_H	0.22	0.24	0.22
K_{Ic} (MPa·m ^{1/2})	1.5-2.21	2.21	1.87
Porosity (%)		9.16	10.94
Permeability (mD)		0.1	0.443

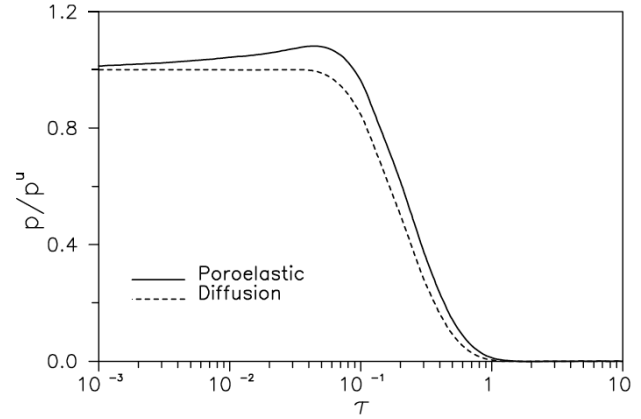


Fig. 1: Normalized pore pressure history for a pressurized cylindrical borehole, displaying the so-called Mandel-Cryer effect (Detournay and Cheng, 1993).

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$$\tau = \sigma \tan \phi + c_0 \quad (1)$$

$$\sigma'_1 = \sigma'_3 + \sigma_{ci} \left(m_b \frac{\sigma'_3}{\sigma_{ci}} + s \right)^\alpha \quad (2)$$

Table 2: Microparameters used in *PFC* modeling (Hazzard et al., 2000).

Microparameter	Description	Lac du Bonnet Granite	Westerly Granite	Ekofisk Chalk
E_c , GPa	Young's modulus at contact	100	100	6
K_n/K_s	ratio of particle normal to shear stiffness	2	2	4
μ	particle friction coefficient	0.7	0.7	0.3
σ_c (mean), MPa	average normal bond strength	162	300	100
	standard deviation of distribution of normal			
σ_c (s.d.), MPa	bond strength	44	80	30
τ_c (mean), MPa	average shear bond strength	243	450	100
	standard deviation of distribution of shear			
τ_c (s.d.), MPa	bond strength	66	120	30

6 FIGURES

The term “figure” denotes graphical representations including charts, graphs, drawings, photographs, etc. Figures must be inserted as close as possible to their first reference. Figures must be numbered consecutively and must have descriptive titles placed just below them. Figure captions must be typeset in 10 pt Times New Roman, see Fig. 1. If photographs are being inserted, color or black and white is acceptable. Large figures or tables may straddle both columns as shown in Table. 2.

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