Supporting Information for "Critical fluid injection volumes for uncontrolled fracture ascent."

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Additional Supporting Information (Files uploaded separately)

1. Data set S1: `http://doi.org/10.17605/OSF.IO/U3468`
2. Numerical boundary element code: `https://doi.org/10.5281/zenodo.3694163`

Introduction

Data set S1. The data file is a comma separated text (.txt) file. The columns define the parameters and results and each row represents a different run. This details the results from the boundary element scripts, showing which volumes reached self-sustaining ascent and those that did not. This reports the parameters used (G, ν, g, $\Delta\gamma$, K_c, V and the number of triangles used), a flag to say if the fracture stalled or not (following our definition) and the fracture's final x, y and z limits at the point at which we stopped each run.

Numerical boundary element code.

This is the code repository for the boundary element code we used in our analysis to simulate fracture propagation. We added an interface to the Computational Geometry Algorithms Library software (C++) so we could perform meshing operations.