



Shear of simulated quartz-feldspar aggregates under conditions spanning the brittle-plastic transition

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Summaries

- We conducted shear experiments using Griggs-rig.
 - Sample was a mixture of quartz : albite = 1 : 1.
 - Temperature and pressure were varied to assume realistic depth conditions, with $d(P_c)/dz \sim 27\text{MPa/km}$ and $dT/dz = 30^\circ\text{C/km}$.
- **Flow structures were observed in samples which showed mechanically brittle behavior.**

