

Abstract Submitted
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Shock-Precursor Waves in Granular Materials WILLIAM NEAL,
Student, DAVID CHAPMAN, WILLIAM PROUD — Shock compaction studies of
sand, and other brittle granular materials, have produced wave profiles that show
an unsteady precursor-wave followed by a steady shock-wave. It is theorised that
this wave is a result of the pre-compaction of the particles within the granular bed.
This theory has been tested experimentally and the results are discussed.

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