

## Radial Distribution Functions and the Equation of State of a Fluid Composed of Rigid Spherical Molecules

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**Measured energy in Japan**  
David von Seggern  
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July 2012, page 10  
DIGITAL OBJECT IDENTIFIER  
<http://dx.doi.org/10.1063/PT.3.1619>  
The article by Thorne Lay and Hiroo Kanamori is an excellent review of the seismic energy release from the 1994 Chilean earthquake. The authors used the relation for seismic energy release rather than total strain energy release. The seismic energy release is a variable that depends on the fault plane. Accounting for total strain energy release would increase the earthquake energy number by orders of magnitude. Despite the catastrophic damage potential of nuclear bombs, the forces of nature occasionally unleash much larger energy releases. Although the nuclear bombs are under our control, earthquakes, volcanic eruptions, and extreme weather events are not. However, by judicious preparation and avoidance measures, humans can significantly diminish the damage of natural events.

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By the act of hitting a ball with a bat, one calculates the force energy to deliver the ball to its new location, but one must also take into account that the ball extended its energy release to that which became struck by the ball as its momentum ceased and passed energy to the struck team. Therefore the parameters of the damage extend into the future when the received energy to that pushed upon, later becomes released in a new event. Perhaps calculations of one added that in while another's calculations did not. E.M.C.  
Written by Edgar McCarvill, 14 July 2012 19:59