## **Computer simulation of structural glasses**

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## Abstract:

Structural glasses are amorphous substances that are rigid. A prototypical example of a structural glass is the material used in window panes, mostly consisting of silica (SiO2). The microscopic structure of these materials is hard to probe experimentally since the standard techniques, based on scattering, are hampered by the lack of periodicity. Computer simulations are therefore an important tool.

I will discuss various methods to generate realistic atomic configurations of structural glasses. Particular attention will be paid to the simulation of covalently bonded disordered materials, as represented by the continuous random network (CRN) model introduced more than 60 years ago by Zachariasen.