

CWSF 2008 - Ottawa, Ontario



Jason Ho, Sarah Reimer

Equations of state of hexane at geophysical conditions of the upper mantle

Division: International

Category: Senior

Region: Fraser Valley

City: Abbotsford, BC

School: Mennonite Educational Institute

Abstract: Equations of state of hexane was obtained using NPT molecular dynamics simulations for temperatures of 1000 - 2000 Kelvin and pressures of 1 - 6 GPa, corresponding to the geophysical conditions in the upper mantle of the Earth. Simulations were performed with GROMACS software (version 3.3) and OPLS (Optimized Potential for Liquid Simulation) parameters.

Biographies

Jason - I thrive on busyness. When I'm not hard at work at my studies, I'm either hanging out with my friends, listening to music or playing my tenor saxophone, enjoying a classic novel while lying in my hammock, or out dancing at the local swing clubs. I'm torn between my love of music performance (specifically jazz) and my love of science. With the end of secondary school arriving, and the beginning of post-secondary education, part of my dilemma is to what I desire to study. I plan to study at the local University in my community, the University of the Fraser Valley. Incorporating both my love of music and sciences during my post-secondary years w...

Sarah - My name is Sarah Reimer, and I'm in grade 12. I enjoy long-distance running, and singing. I'm on my school's track and field and cross country teams. I will be going to university in the fall, and I'm planning to study sciences.

Awards

Value

Honourable Mention - Physical & Mathematical Sciences - Senior Sponsor: <u>Encana Corporation</u>	\$100
Total	\$100