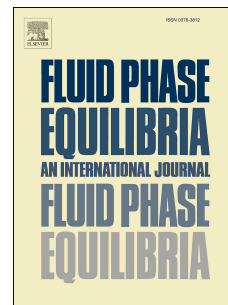


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Thermal conductivity of heavy, even-carbon number *n*-alkanes (C22 to C32).

Felipe Pereira Fleming^{a,b,c}, Livia de Andrade Silva^a, Guilherme dos Santos Vieira Lima^a, Iasmin Herzog^d, Hécio Rangel Barreto Orlande^d, Jean-Luc Daridon^c, Jérôme Pauly^c, Luis Fernando Alzuguir Azevedo^{b,*}

^a CENPES - Centro de Pesquisas da Petrobras, Cidade Universitária, CEP: 21941-915, Rio de Janeiro, RJ, Brazil

^b Departamento de Engenharia Mecânica, PUC-RIO, Rio de Janeiro, RJ, Brazil

^c Laboratoire des Fluides Complexes et leurs Réservoirs, UPPA, Pau, France

^d Programa de Engenharia Mecânica/COPPE - Universidade Federal do Rio de Janeiro, RJ, Brazil

*Corresponding author, Luis Fernando Alzuguir Azevedo: lfaa@puc-rio.br

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Abstract

The thermal conductivity of even carbon number *n*-alkanes from *n*-dodecane to *n*-dotriacontane (C₂₂H₄₆ to C₃₂H₆₆) was measured in both the liquid and solid phases, in the temperature range from 297.15 to 353.15 K at 0.1 MPa. To assure the purity and map the solid phase of the different samples during the thermal conductivity measurements of the solid samples, the

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