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Spectrum features of commercial derv fuel oils in the terahertz region[J].Science China(Physics,Mechanics & Astronomy),2012,02:195-198.

关键词:optical constants,derv fuel oil,time-domain analysis,terahertz radiation

摘要:Characteristic spectra in the 0.5-2.5 terahertz (THz) range of three commercial derv fuel oils have been obtained using THz time-domain spectroscopy and calculated using density functional theory.The simulated results and experimental absorption curves suggest that the skeleton vibration is predomin...