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Take from me, the sparked admiration for the creative atmosphere during my stay and work from November 31 to December 29, 2019 in your professional and friendly scientific team. During my work at Graduate School of Science, four lectures were prepared on the topic of “Thermal properties of condensed molecular matters”, where topical problems of low-temperature thermal properties of crystals and disordered solids were considered. That course covered key topics for the basic understanding and characterization of selected molecular crystals, glassy crystals and glasses. We reviewed the basic aspects of thermal properties of molecular matter with different structures, models and theories used in interpretation of experimental data. We focused on universality behavior heat capacity and thermal conductivity and physical picture from quantum point view. Using concepts of quantum mechanic, we put a special attention to look for understanding origins of physical quantities and their behavior in fields of external parameters (such as temperature, pressure, electric field, radiation, porosity and etc.).

I was interested to take part in the work of the seminar on Thermal and Entropic Science at Research Center for Thermal and Entropic Science. I am delighted with the professionalism and diligence of the employees and students of Graduate School of Science: Hiroki Akutsu, Satoshi Yamashita and Yuji Miyazaki, Tetsuya Nomoto and other. Undoubtedly, personal discussing with you about the physical properties of strong anisotropic crystals, as well as the nature of the calorimetric boson peak in them, was important to me. My accommodation in Osaka University International House in Toyonaka contributed to further acquaintance with the unique world culture, way of life and language. I hope that the joint studies we have put together will produce useful results.

Sincerely yours,

Oleksandr Kryvchikov