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COST Molim
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Mr. Emil Vogt from the Department of Chemistry, University of Copenhagen has visited my research group in the Department of Chemistry, University of Helsinki 2.5. – 11.5.2018 for research work in the field of theoretical and computational molecular spectroscopy. Mr. Vogt has been interested in hydrogen bonded complexes and particularly in theoretical models on understanding the vibrational spectroscopy of these species. In Helsinki, he used high order contact transformation to obtain very interesting results on the vibrational mode responsible for hydrogen bonding. Previously simple local mode type approaches have failed with this degree of freedom.

Mr. Emil Vogt wrote all the necessary computer software by himself. Moreover, he derived all necessary mathematical formulas without any help. I was amazed how he could do all this during such a short visit.

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