Quasi-Total Orders and Quasi-Morphisms

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In this visit I have met my co-author T.Hartnick which is a post-doc at the Technion-Haifa. During this visit we have managed to improve our understanding of the connection between quasi-morphisms and partially ordered groups where one of our main achievements is to get rid of the typical locally compactness of the groups. Thus our next step will be to use this theoretical-general description of quasi-morphisms to apply them to general groups (not necessarily groups related to finite dimensional Lie groups for example) in particular quantomorphisms groups.

Further during my visit I gave 2 seminar talks at Tel-Aviv-Technion joint geometry and dynamics seminar, and the geometry seminar of Haifa university.