1125-46-624   **Debashish Goswami*** (`debashish_goswami@yahoo.co.in`), Stat-Math Unit, Indian Statistical Institute, 203, B. T. Road, Kolkata, W. Bengal 700108, India. *Quantum symmetry of of classical spaces.*

I give an overview of work done by myself and others on compact quantum group symmetries (co-action) of classical spaces including smooth manifolds and general compact metric spaces. In particular, I would like to briefly describe the non-existence of genuine quantum isometric (co)-actions on compact connected Riemannian manifolds and also (time permitting) the existence and examples of quantum isometry groups (which can be genuine quantum groups) of compact but possibly non-smooth metric spaces. (Received September 08, 2016)

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