MTA Rényi Institute, Budapest, Hungary juhasz@renyi.hu

## On $\sigma$ -countably tight homogeneous compacta

Joint work with Jan van Mill

We show that an infinite homogeneous compactum has cardinality continuum if it is the union of

(a) countably many dense countably tight subspaces or

(b) finitely many *arbitrary* countably tight subspaces.

Both of these improve a result of R. de la Vega.