

1106-46-1024      **Magnus B Landstad\*** (magnusla@math.ntnu.no). *Proper actions and coactions*. Preliminary report.

If a locally compact group  $G$  acts on a locally compact space  $X$ , the action is called *proper* if the map  $(g, x) \mapsto (gx, x)$  is proper. This is the usual definition, but there is also a weaker notion (usually called *wandering*) which only requires that the map  $g \mapsto gx$  is proper for all  $x$ .

I shall discuss various extensions of these concepts to actions and coactions of groups on  $C^*$ -algebras.

This is joint work with Steve Kaliszewski and John Quigg. (Received September 09, 2014)