

1112-22-299

Dubravka Ban* (dban@siu.edu), Department of Mathematics, Southern Illinois University, Carbondale, IL 62901, and **Joseph Hundley**. *Principal series representations on p -adic Banach spaces*.

We consider the continuous principal series representations of split p -adic groups over p -adic fields. We show that such representations are irreducible when the inducing character lies in a certain cone. The proof relies on the duality theory developed by Schneider and Teitelbaum. (Received August 07, 2015)