

1145-22-2919

**Ehssan Khanmohammadi\*** ([khanmohe@union.edu](mailto:khanmohe@union.edu)). *Some Plancherel-type formulas for Lie groups.*

We present some Plancherel-type formulas that originate from the orbit method and our study of Kirillov's character formula for various Lie groups. Then we discuss some approaches to generalizing these formulas to larger classes of Lie groups. (Received September 25, 2018)