SIDE 14.2

Contribution ID : 27

Peter-Weyl theorem for current and Iwahori groups.

Friday 23 Jun 2023 at 16:30 (00h30')

Content :

The famous Peter-Weyl theorem tells that the ring of functions on a simple Lie group has a direct sum decomposition with summands isomorphic to tensor products of irreducible representations. In the case of more general groups there is no direct sum decomposition. However we prove that there exists a filtration such that its subquotients are tensor products of some very natural representations for current and Iwahori groups.

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Session classification : Continuous integrable systems

Track classification : --not yet classified--

Type : --not specified--