

Università degli Studi della Basilicata
Dipartimento di Matematica, Informatica ed Economia

Seminario Interdisciplinare di Matematica

Si avvisano gli interessati che **Giovedì 7 Luglio 2016**, alle
ore 16, nell'Aula Seminari del Dipartimento (Aula n. 18),

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terrà la conferenza dal titolo

Invariant CR structures on S^3

Summary. S^3 is a group. So it is natural to study geometric structures that are invariant under the group action.

Theorem 1 *The set of invariant CR structures on S^3 is parametrized by the real numbers r , $0 \leq r < 1$.*

Theorem 2 *The set of invariant pseudo-hermitian structures on S^3 is parametrized by the real numbers, a and r , $a \neq 0$ and $0 \leq r < 1$.*

The first theorem follows directly from the CR connection introduced by E. Cartan and the second from the pseudo-hermitian connection of S. Webster.

The lecture will be expository: the relevant objects will be defined and the proofs outlined.



A handwritten signature in red ink, appearing to be "H. Jacobowitz".