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Alexander Brudnyi (abrudnyi@ucalgary.ca) and **Damir Kinzebulatov***
(dkinzebu@fields.utoronto.ca). *Towards Oka-Cartan theory for algebras of holomorphic functions on coverings of Stein manifolds.*

We obtain the basic results of complex function theory within algebras of fibrewise bounded holomorphic functions on coverings of Stein manifolds (model example: Bohr's holomorphic almost periodic functions). Our approach is based on an analogue of Oka-Cartan theory for coherent sheaves on the maximal ideal spaces of these algebras – Stein-like topological spaces, similar in many ways to complex manifolds:

- they are locally foliated by complex manifolds,
- they are the inverse limits of complex manifolds of increasing dimensions,
- they contain complex manifolds as a dense subsets.

Our results include interpolation over complex submanifolds within the algebra, corona type theorems, properties of divisors, a ‘holomorphic’ Peter-Weyl theorem, Hartogs type theorems, characterization of the uniqueness sets. (Received September 17, 2013)