

MORITA EQUIVALENCE REVISITED

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This talk introduces a weakening of Morita equivalence — i.e. a new equivalence relation on algebras under which two Morita equivalent algebras are still equivalent, but there are many examples of non-Morita-equivalent algebras which are equivalent in the new way. The new equivalence preserves periodic cyclic homology, but permits a tearing apart of strata in the primitive ideal space which is not allowed by Morita equivalence. Examples will be given to show how the new equivalence works. An application to the representation theory of reductive p-adic groups will be explained.

The above is joint work with A.M.Aubert and R.J.Plymen.