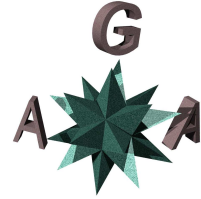




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## Hopf-Galois extensions and an exact sequence for $H$ -Picard groups

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Let  $H$  be a Hopf algebra, and  $A$  an  $H$ -Galois extension. We investigate  $H$ -Morita autoequivalences of  $A$ , introduce the concept of  $H$ -Picard group, and we establish an exact sequence linking the  $H$ -Picard group of  $A$  and the Picard group of  $A^{\text{co}H}$ .

This is joint work with A. Marcus.