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Galois extensions for coquasi-Hopf algebras

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The Galois extensions are one of the major directions of study in the Hopf algebra theory. Coquasi-Hopf algebras appear as a natural generalization of these, preserving their most important feature – the monoidality of the category of (co)representations. We introduce the notion of a Galois extension over a coquasi-Hopf algebra and investigate the properties of this new object.