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*CF-modules over commutative rings*

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**Abstract:** Let  $R$  be a commutative ring with unit. We give some criterions for determining when a direct sum of two CF-modules over  $R$  is a CF-module. When  $R$  is local, we characterize the CF-modules over  $R$  whose tensor product is a CF-module.

**Keywords:** CF-couple; CF-module; commutative ring; local ring

**AMS Subject Classification:** 13C05

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