

## CONJUGACY CLOSED ALGEBRAS

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### ABSTRACT

It is proved that every flexible conjugacy closed algebra  $A$  is an alternative algebra. The right and left multiplications are derivations of  $A$ . For each element in the centre of  $A$  such that  $R_{by.x} = R_{byx}$  there exists a derivation of  $A$ .

**Keywords and phrases:** Conjugacy closed algebra, Conjugacy closed loop, flexible, derivation, alternative Centrum.