

## Weyl Type Theorem and the Fuglede Property

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**Abstract :** Given  $H$  a Hilbert space and  $B(H)$  the algebra of bounded linear operator in  $H$ , let  $\delta_{AB}$  denote the generalized derivation defined by  $A$  and  $B$ . The main objective of this article is to study Weyl type theorems for generalized derivation for  $(A, B)$  satisfying a couple of Fuglede.

**Keywords :** Fuglede Property, Weyl's theorem, generalized derivation, Aluthge transform

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