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**Eddy Kwessi\*** ([ekwessi@trinity.edu](mailto:ekwessi@trinity.edu)), 1 Trinity Place, San Antonio, TX 78212. *On the equivalence between Weak BMO and the space of derivatives of the Zygmund class.* Preliminary report.

In this presentation, we will discuss the space of function of weak bounded mean oscillation  $BMO^w$ . In particular , we will show that this space is the dual space of the so-called special atom space  $B^1$ , whose dual space was already known to be the space of derivative of functions (in the sense of distribution) belonging to the Zygmund class  $\Lambda_*$ . We show in particular this a proof that the Hardy space  $H^1$  strictly contains the space  $B^1$ . (Received August 20, 2020)