Command   ADIFF5

PURPOSE   Build 5-point differential of analyzer

PARAMETERS

AIN   Source analyzer
/DEST(AOUT)   Destination analyzer
/ONTO(AOUT)   Alias for option /DEST
/OUT(AOUT)   Alias for option /DEST

FUNCTION   Build the spectrum of 5-point differences.
                       The contents y_{out} of the destination analyzer AOUT are determined
                       from the contents y_{in} of the input analyzer AIN by the following
                       relation: $y_{out} = .0.0625 (y_{in}(i+4) - 4 y_{in}(i+3) + 6 y_{in}(i+2) - 4 y_{in}(i+1) + y_{in}(i))$.

REMARKS   The command supports error bars.
                       This result of the operation has 4 channels less than the input analyzer.

EXAMPLE   ADIFF5 AIN / DEST(AOUT)
                       Determine the spectrum of 5-point differences of analyzer AIN and
                       store the result in the analyzer AOUT.