3,28 x 0,21 = 188,8mV 3.3 x a 21 = 0,6/3 a V = 6/3 mV. PWM > 3.3V > 21% rms value from Oscillsuppe ADS1115 2,25 ~ 2,44 = + 2,3 mV 6 Po.mV -> 687.75 N 687.56 MV -> frived 888.7mV -> 684 mV N 683, 81 mV Voltage & follower 68t, INMV N 4.7 mV = 44.6 mV 685, 3mV N 685, IMV 3, 2mV N 3mV. - 311mV AD623 Instrumentation Amplifier. AD623 RG = 10K/6-1) RG = IWK. 9-1 = RG Mun P. 6 = R6 +1 = 20 9 = RG +1 = 10 RS = 18 & REG = P Rg= 11 x look = 1.9 M.Z RG-Pook. 6=10. 于0.14f or 主主 0.33pef Next stage circuit + O.INF TO,00244 AD623. tour stage -> usually support max current supply 44 max 11 per branch (max) -> 0.5V

 $BW(PJFF) = \frac{1}{2\pi \times 16 \times (2C_2 + C_1)} = \frac{1}{2\pi \times 16 \times (2 \times 0.047 \mu f + 10^{-1})}$ $= \frac{1}{2\pi \times 10^3 \times (2\times 47 \times 10^{-1} + 1\times 10^{-1})} = \frac{1675 Hz}{10^{-1} + 1\times 10^{-1}}$

1 to 5 V -> cheek measured Vief & Vsense (differences) / In Romp Effect S Comparator VS set convent In Amp Effect -> Add / without out 5 graphs Vref vs Vref measured difference witage drive capability Essentially & Fet. Increase Vref resolution by (Intomp Gain) noise Viverified. (3) Error Smp - filtering -> Plot with Value. 1) (a) (Vref measured - Usense) at range of (lom A +0 495 mA) x2. (b) Calculate the mean value of the difference. (c) plot 5 graph, 5 mean value of difference Poes Vsource affact drive ability of the LM324 (d) In amp & with out Inamp compare the difference and effect. (2) (a) Without In-Amp Compare. Hrefset Vrefneed - Vrefset - Vrefmeasured for LomA N 485A for 1V, 2V, 3V, 4V51 Improved El cannot avoice cannot avoid - Solution: officet.

Improved are solution (b) With In-Amp" because highe top inputs of resistance Compare the same thing comparator - drive capability, response How much is improved by Introducing In-tomp. -> resolution improved at which range / which to Vs > Accuracy improved at which rough / Vs al roinge 3) Error - fittening, tables. all Vs values.

$$f = \frac{1}{2\pi RC}$$

Trans tunction =
$$-\frac{1}{RCS}$$
 $|k| |o\mu = |o \times |o^{-6}|$

$$|0| < x |0 \times |0^{-6}| = |0 \times |0^{-3} \times |0|$$

lok with lomf