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425
426
427 def principal(Circuito):
428     #if __name__ == "__main__":
429         import sys
430         import matplotlib.pyplot as plt
431         if Circuito == 'CTSV mc + 4bitPRBS [FALHA].raw':
432             Variavel = 'V(bpo)'
433         else:
434             Variavel= 'V(vout)'
435         if len(sys.argv) > 1:
436             raw_filename = sys.argv[1]
437         else:
438             raw_filename = Circuito
439         LTR = LTSpiceRawRead(raw_filename)
440         #print(LTR.get_trace_names())
441         for trace in LTR.get_trace_names():
442             #print(LTR.get_trace(trace))
443             Vo = LTR.get_trace(Variavel)
444             x = LTR.get_trace(0) # Zero is always the X axis
445             #file = open("Sallen_Vout.txt", "w")
446             #print("escrita com sucesso")
447             # steps = LTR.get_steps(ana=4.0)
448             steps = LTR.get_steps()
449             # for step in steps:
450             # print("imagem")
451             df = {'time': [], Variavel: [], 'step': []}
452             Dados = []
453             time = []
454             for step in range(len(steps)):
455
456                 ValueVar = Vo.get_wave(step)
457                 Dados.append(ValueVar)
458                 #print(ValueVar)
459                 valueTime = x.get_wave(step)
460                 time.append(valueTime)
461
462
463
464                 plt.plot(valueTime, ValueVar, label=LTR.steps
465                     [step])
466
467                 plt.tight_layout(pad=0.5, w_pad=0.5, h_pad=1.0)
468                 plt.legend()

```