

CMPE 418: Assignment 1

Due: Sept. 22nd in class

We covered details about one ATE in class. Due to time limitations we cannot survey more ATE equipment. Your assignment is to find literature about one ATE and write a short paper on that ATE. There are other testers that are low-speed DFT testers. You can pick those for this report if you like. The type of details you should include are architecture, test capabilities, equipment, ranges, speed, other important electrical specifications, etc. You are not marketing the tester for that company, so don't make your paper like a marketing brochure. We are more interested in knowing the capabilities of ATE currently being deployed. The paper should be formally written as a technical paper. You can visit my or other faculty websites to look at formats of such papers. The paper should be of appropriate size (about 4+ pages + figures etc.). There is no minimum or maximum page limitation but use your judgement to decide how short or long it needs to be. There are a lot of companies that make, lots of different testers so I am expecting very little overlap between your papers. You can mutually discuss the system you are picking so that there is no overlap.

Some Companies to start with:

- Teradyne
- Credence (much more open documentation)
- Agilent (again much more open documentation)
- Advantest
- Yokogawa Electric Corp.
- Teseda (low speed DFT Testers)
- Inovys (low speed DFT testers)