

Figure 8: At load 0.1 ohm

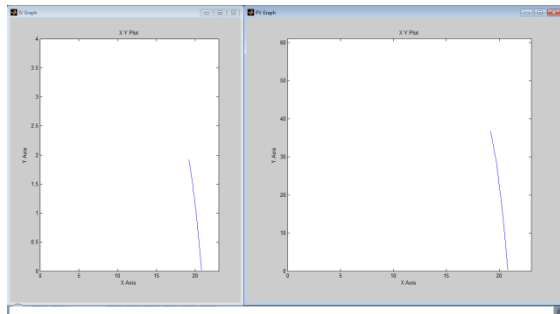


Figure 9: At load 10 ohm

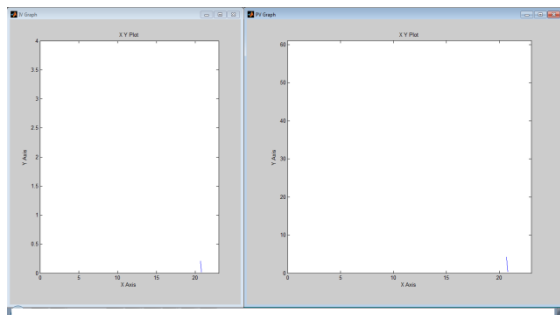


Figure 10: At load 100 ohm

5. Conclusion

In this paper we study the basics, principle of operation of maximum power point tracking and present the simulation model of PV panel for maximum power point tracking. The maximum power point tracking (MPPT) is a technique used with wind turbine and photovoltaic (PV) solar systems to maximize power output. The solar cells have a complex relationship between temperature and total resistance that produces a non-linear output efficiency which can be analyzed based on I-V curve.

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Author Profile

Ankita Pandey is pursuing M.Tech (Power System) from Dr. C.V. Raman University Bilaspur. She has completed B.E. (Electrical Engineering) From C.S.V.T.U. Bilai (C.G.), India

Dr. Dharmendra Kumar Singh is H.O.D. Electrical and Electronics department, Dr. C.V. Raman University, bilaspure. Recently he has done his Phd from Dr. C.V.Raman university bilaspure (C.G.), India