

# Ant Colony Optimization based algorithm to determine the optimum route for overhead power transmission lines

*Mohamed Yahia Mohamed Abdelkader, Ahmed M. Ebid, Ibrahim Mahmoud Mahdi  
Mostafa , Ibrahim Abdel-Rasheed*

## Abstract

[https://www.sciencedirect.com/science/article/pii/S2090447923002332?  
CMX\\_ID=&SIS\\_ID=&dgcid=STMJ\\_AUTH\\_SERV\\_PUBLISHED&utm\\_acid=189  
794904&utm\\_campaign=STMJ\\_AUTH\\_SERV\\_PUBLISHED&utm\\_in=DM382971  
&utm\\_medium=email&utm\\_source=AC\\_](https://www.sciencedirect.com/science/article/pii/S2090447923002332?CMX_ID=&SIS_ID=&dgcid=STMJ_AUTH_SERV_PUBLISHED&utm_acid=189794904&utm_campaign=STMJ_AUTH_SERV_PUBLISHED&utm_in=DM382971&utm_medium=email&utm_source=AC_)

*Ain Shams Engineering Journal 2023, June*