Convective heat transfer enhancement inside tubes using inserted helical coils

Ali R.K., Sharafeldeen M.A., Berbish N.S., Moawed M.A.

Benha University<sup>1</sup>

## e-mail: Ragabkhalil1971@gmail.com

Convective heat transfer was experimentally investigated in tubes with

30 mm

<sup>1</sup>11689, Egypt, Cairo, Shoubra street, 108. Benha University.

The aim of augmented heat transfer is to achieve higher heat transfer coefficients and consequently accommodate high heat fluxes to reduce the size and cost of heat exchangers. Enhancement techniques are classified into:

methods in which the inner surface of the tube is roughened e.g., repeated or helical ribbing, sanding, internal fins or corrugation;.....

30 mm

25 mm