迴流效應於二行程太陽能空氣加熱器之研究

A study on the improvement of recycle on the collector efficiency of adouble-pass rectangular flat-plate solar air heating system containingtwo subcollectors of the same length and the same width with the totalcollector area fixed. The solar air collectors with air flowing overand under the absorber were considered in this study. The results showthat a suitable adjustment of the ratio of these two subcollectorsresults in the enhancement of heat transfer efficiency.