

The Cooling of Granular Solids in a Moving Packed Bed

David R. McGaw

Department of Chemical Engineering, The University of the West Indies, St. Augustine, Trinidad and Tobago, West Indies

Abstract: *Experiments have been carried out on a solids cooler in which a moving packed bed of hot solids was cooled by a stream of air blown crossflow through it. The experiments showed that the Schumann analysis for heat transfer in packed beds of particulate solids was applicable for the 3 mm glass ballotini used in the experiments and that the mechanical design of equipment was satisfactory.*

Keywords: *Granular solids, cooling, moving packed bed, equipment*