## Three-dimensional Flow between Two Parallel Porous Plates with Heat Transfer

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A theoretical analysis of the steady three-dimensional flow of a viscous, incompressible fluid between two parallel infinite porous horizontal plates is presented. The fluid is injected with constant velocity through the lower stationary plate and removed with a transverse sinusoidal suction velocity through the upper one in uniform horizontal motion. A series solution of the non-linear partial differential equations

is obtained and discussed.

\*Key words: Three-dimensional: Couette Flow: Transverse: Sinusoidal: Injection/Suction.