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In this letter, we used the homotopy perturbation transform method (HPTM) and the Pade approximation to investigate the magnetohydrodynamic (MHD) boundary layer flow over a nonlinear porous stretching sheet. The numerical solution of the governing non-linear problem is developed. Comparison of the present solution is made with the existing solution and excellent agreement is noted. Graphical results have been presented and discussed for the pertinent parameters. The results attained in this paper confirm the idea that HPTM is powerful mathematical tool and it can be applied to a large class of linear and nonlinear problems arising in different fields of science and engineering. (Received December 11, 2011)