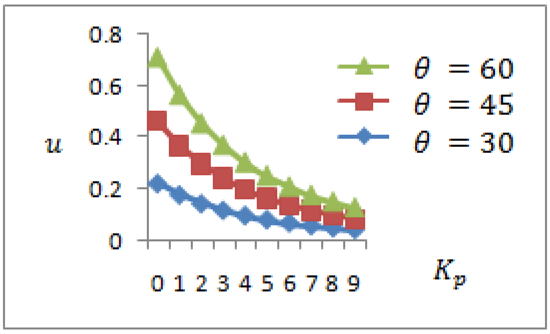

Figure 9: Effect of θ in u with K_p variation and with M=1, y=1, N=1, K^2=1, t=0.5

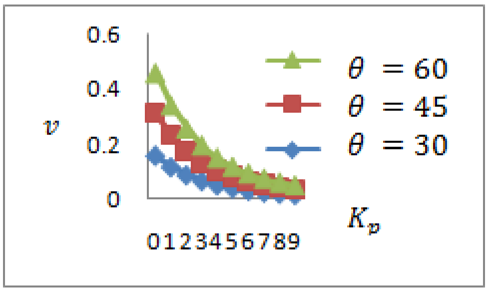

Figure 10: Effect of θ in v with K_p variation and with M=1, y=1, N=1, K^2=1, t=0.5

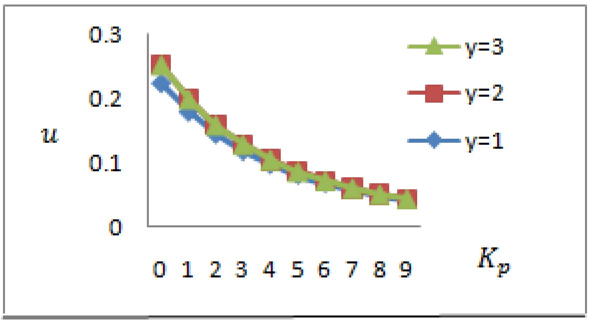

Figure 11: Effect of y in u with K_p variation and with M=1, θ=30, N=1, K^2=1, t=0.5

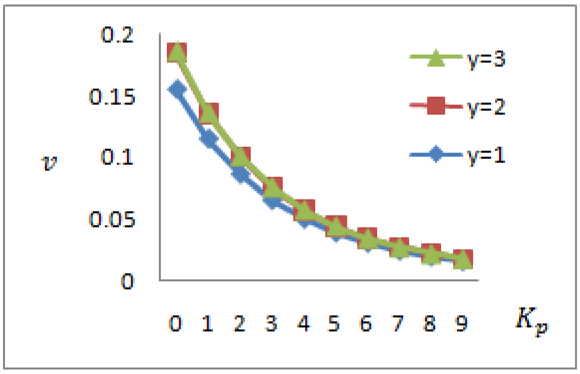

Figure 12: Effect of y in v with K_p variation and with M=1, θ=30, N=1, K^2=1, t=0.5

4. Conclusion

From the above figures 1 to 12, we conclude that the axial and transverse velocity components u and v increases with the increase in Hall Parameter, Hartmann number, Ekmann number, y and t with respect to the increase of Porosity parameter.

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