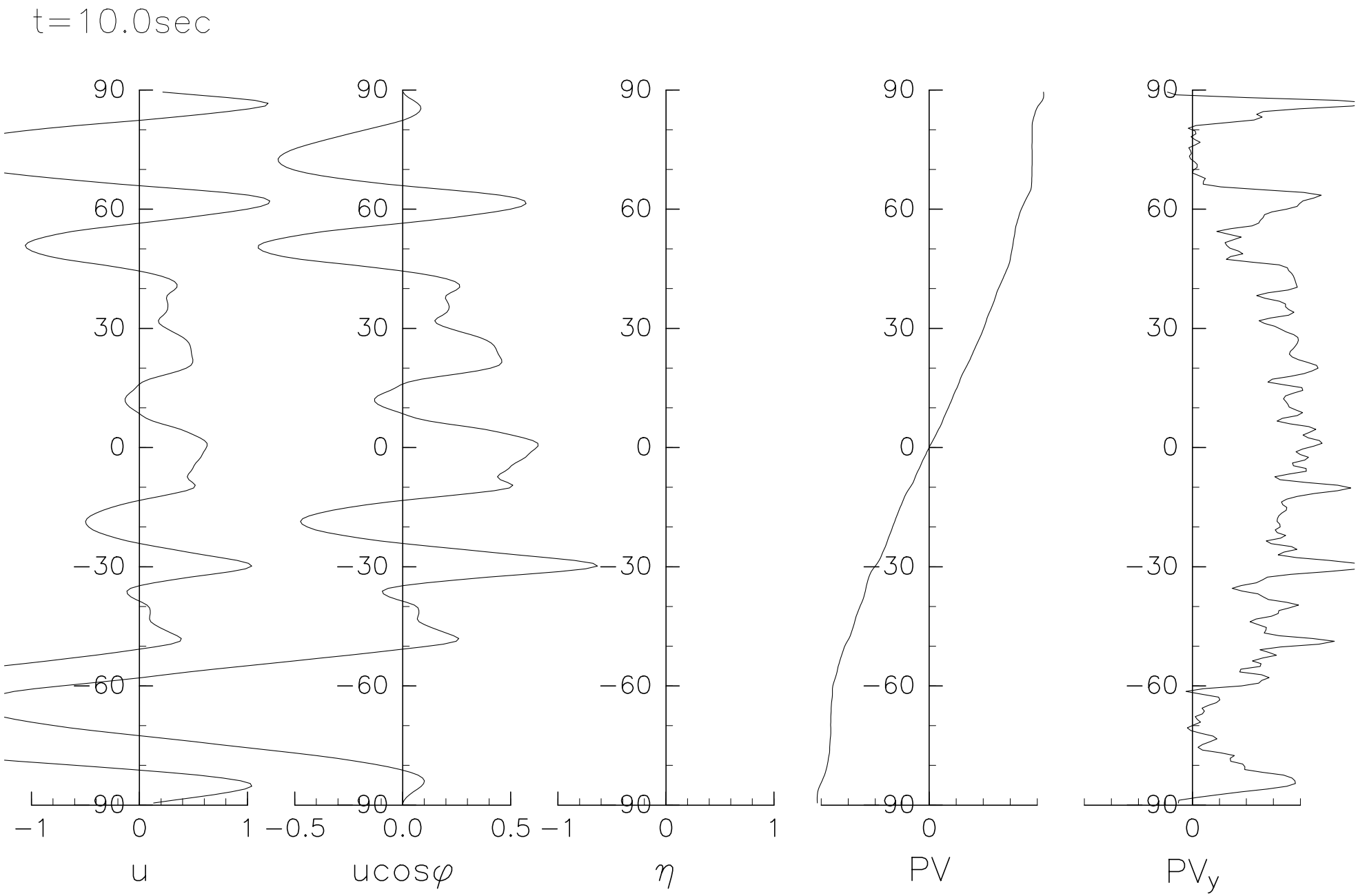

Omega=400, q=inf, U=sqrt2, a=1