

1014-76-1416 **H.R. Massah** (hamidreza.massah@gmail.com) and **M Najafi*** (drmnajafi@hotmail.com). *On the Adomian Decomposition as Applied to Highly Nonlinear Two Phase Fluid Dynamic System*. Preliminary report.

Implementation of the Adomian Decomposition Method(ADM) circumvents the usual approximations techniques used to simplify the Navier Stokes equation. An attempt has been made to apply the ADM method to a nonlinear two phase fluid dynamic system. (Received September 28, 2005)