

- 107 **Local  $h$ -adaptive refinement method applied to solid mechanics**  
Daridon L., Delaume E., Monerie Y., Perales F.
- 123 **Existence of analytical solution, stability assessment and periodic response of vibrating systems with time varying parameters**  
Dupal J., Zajíček M.
- 145 **Steady Stokes flow of a non-Newtonian Reiner-Rivlin fluid streaming over an approximate liquid spheroid**  
Jaiswal B. R.
- 163 **Development of an artificial neural network model for estimating the radius ratio of a one-layered cylindrical shell**  
Khandouch Y., Aassif El H., Agounad S., Maze G.
- 179 **Fundamental flow problems considering non-Newtonian hyperbolic tangent fluid with Navier slip: Homotopy analysis method**  
Tlau L.