

Figure 3. The analytical results of LMD motion vs. non-dimensional time for the issue (a) The non-dimensional acceleration, (b) The non-dimensional velocity, (c) The non-dimensional position

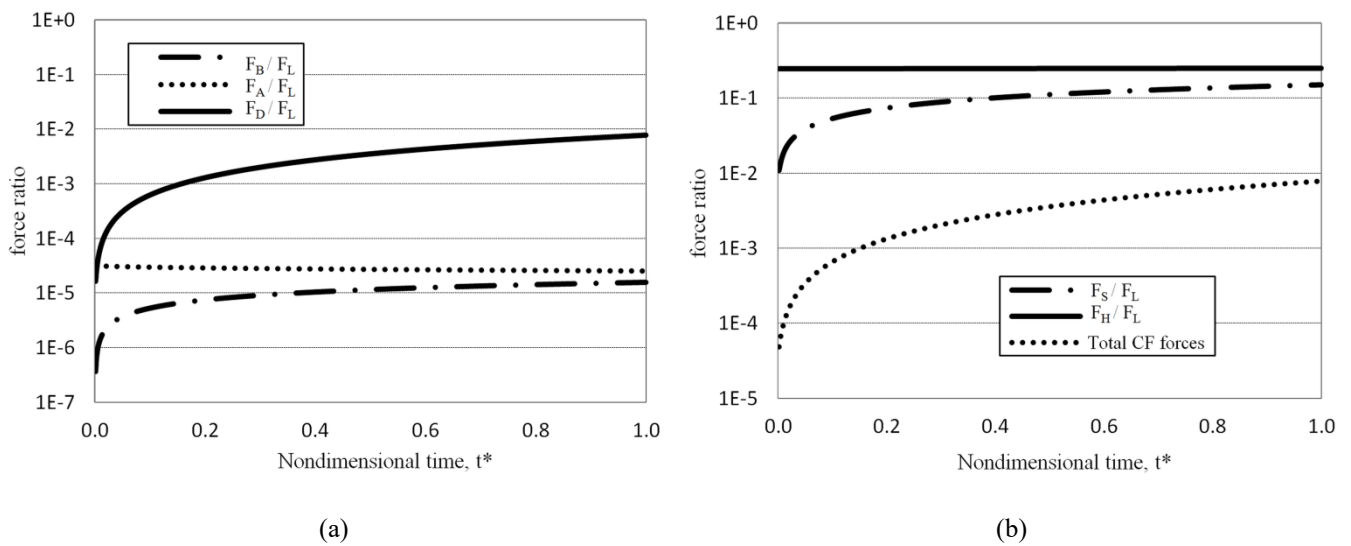


Figure 4. The percent of the retention forces acting on LMD respect to Lorentz force (FL) vs. non-dimensional time: (a) all acting forces, (b) CF forces.

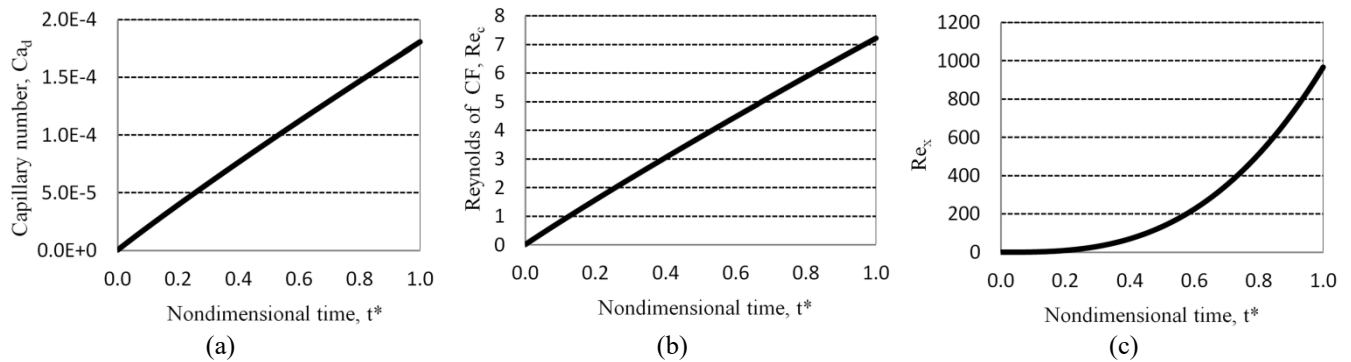


Figure 5. The Instantaneous nondimensional numbers vs. non-dimensional time (a) capillary number for LMD, (b) Reynolds for CF (air), (c) Reynolds for LMD.





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