*y*

*x*

*r*1

*m*1

*m*1

*r*2

*r*3

*m*2

*m*3

cos (*x*)

1

5*p*

3*p*

*p*

4*p*

2*p*

*x*

-1

Position

Time

D*f*

*A*2

*A*R

*A*R sin(*wt +* d)

*A*1

*A*2 sin(*wt +*D*f*)

*wt* +D*f*

*A*2

*A*1

*A*1 sin(*wt*)

*wt*

*A*2 sin(*wt +*D*f*)

*wt* +D*f*

*A*2

*A*1

*wt*

*A*1 sin(*wt*)

*y*

*z*

*x*

O





Velocity

Position

Acceleration

Position

sin (*x*)

1

4*p*

2*p*

*p*

5*p*

3*p*

*x*

-1

Position

Time

Mean position

*T*1 > *T*2

*T*1

SHM-1

*T*2

SHM-2

*r*

*r* sin(*wt+f*)

(*wt+f*)





















Initial Position