

```

/*-----*- C++ -*-----*\
| ===== |
| \ \ / F i e l d | OpenFOAM: The Open Source CFD Toolbox
| \ \ / O p e r a t i o n | Version: 4.1
| \ \ / A n d | Web: www.OpenFOAM.org
| \ \ / M a n i p u l a t i o n |
\*-----*\

```

```

FoamFile
{
  version      2.0;
  format       ascii;
  class        dictionary;
  location     "system";
  object       controlDict;
}
// * * * * *

```

```

application      simpleFoam;

startFrom        latestTime;

startTime        0;

stopAt           endTime;

endTime          1000;

deltaT           1;

writeControl     timeStep;

writeInterval    50;

purgeWrite       0;

writeFormat      ascii;

writePrecision   6;

writeCompression off;

timeFormat       general;

timePrecision    6;

runTimeModifiable true;

```

```

functions
{
  Forces
  {
    type forces;
    functionObjectLibs ("libforces.so");
    patches (airfoil);
    log true;
    rho rhoInf;
    rhoInf 1.225;
    CofR (0 0 0);
    liftDir (0 1 0);
    dragDir (1 0 0);
  }
}

```

```
    writeControl    timeStep;
    writeInterval   5;
}
forceCoeffs
{
    type forceCoeffs;
    functionObjectLibs ("libforces.so");
    patches (airfoil);
    log true;
    rho rhoInf;
    rhoInf 1.225;
    CofR (0 0 0);
    liftDir (0 1 0);
    dragDir (1 0 0);
    pitchAxis (0 0 1);
    magUInf 1.463;
    lRef 1.00189;
    Aref 0.824;
    writeControl    timeStep;
    writeInterval   5;
}
};
// ***** //
```