

```
include("../../code/sfd.jl")
using .SpaceFlightDynamics

r1 = [-6.979.49190, 208.846535, -573.801140]
r2 = [-6.966.33930, 267.474976, -734.881458]
r3 = [-6.949.96267, 325.979638, -895.621695]

v2 = solve_gibbs(r1, r2, r3)
println("Estimated velocity at t_2 (km/s): ", v2)

Estimated velocity at t_2 (km/s): [0.7383384040052391, 2.928550616067919, -8
.046126675284103]
```