

In this study, we survey space Euclidean curves with positive curvature κ , torsion τ and spherical normal parametrization σ such that the radius of curvature κ^{-1} satisfies an eigenvalue equation. We characterize the equations in terms of evolutes and involutes of a space curve c and give relations between evolutes and involutes. We get inhomogeneous eigenvalue equations. Also, we give some equations for support function.