```
{z, w} = {Exp[I α] Sin[γ], Exp[I β] Cos[γ]};

SterProj[{z_, w_}] :=
 Module[{x = Re[z], y = Im[z], u = Re[w], v = Im[w]}, {x/(1 - v), y/(1 - v), u/(1 - v)} // ComplexExpand]
σ[{z_, w_}] := {w, z}


g[A_] = SterProj@{z, w} /. α → A;
f[Γ_] = SterProj /@ {{z, w}, σ@{z, w}} /. γ → Γ;

Show@Table[ParametricPlot3D[g[i], {γ, 0, π / 4},
    {β, 0, 2 π}, PlotRange → {{-π, π}, {-π, π}, {-π, π}}], {i, 0, 2 π, π/8}]

Show@Table[ParametricPlot3D[f[i], {α, 0, 2 π}, {β, 0, 2 π},
    PlotRange → {{-π, π}, {-π, π}, {-π, π}}], {i, 0, π / 4, π/4^2}]

Clear[f]

test[r_, θ_, n_] := Abs[r]^4 f2[θ] + 2 π n / q
αf[γ_, β_, n_] := Abs[4 / π γ]^4 f2[β] + 2 π n / q

Plot[test[1, θ, 0], {θ, 0, 2 π}]
Plot[test2[π / 4, β, 0], {β, 0, 2 π}]
Plot[InsideWasher[π / 4, β, 0], {β, 0, 2 π}]


InsideWasher[γ_, β_, n_] := Module[
  {α = αf[γ, β, n]},
  {z, w} = {Exp[I β] Sin[γ], Exp[I α] Cos[γ]};
  {z, w}]

knot2[θ_, k_] := Module[
  {α = θ},
  {z, w} = {Exp[I α] Cos[q θ/p + 2 π k/p], Exp[I α] Sin[q θ/p + 2 π k/p]};
  {z, w}]


ParametricPlot3D[{SterProj@knot2[θ, 0], SterProj@knot2[θ, 1]}, {θ, 0, 2 π}]

Show[ParametricPlot3D[Table[SterProj@InsideWasher[γ, β, n], {n, 0, 3}],
  {γ, 0, π / 4}, {β, 0, 2 π}], ParametricPlot3D[
  Table[SterProj@σ@InsideWasher[γ, β, n], {n, 0, 3}], {γ, 0, π / 4}, {β, 0, 2 π}]]

ParametricPlot3D[
 Table[SterProj@σ@InsideWasher[γ, β, n], {n, 0, 3}], {γ, 0, π / 4}, {β, 0, 2 π}]
```