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ReIm := {Re[#], Im[#]} &
ComPolar[{z_, f_}] := {Re[z], Im[z], f}
Torus[{a_, b_, φ_}] := {(1 + a) Sin[φ], (1 + a) Cos[φ], b}
τArg := Mod[Arg[#], 2 π] &
Rot[Ω_] := RotationTransform[Ω, {0, 0, 1}]
Unwrap[z_] := {Abs[z] - 3, τArg[z]}
ComPolar2[{a_, b_}, f_] := {a, b, f};

p = 2;
q = 3;

m = p / q;
m2 = q / p;
τArg := Mod[Arg[#], 2 π] &

f[x_] :=
  Piecewise[Flatten[Table[{{m (x - 2 π k / p), 2 k π / p ≤ x < (2 k + 1) π / p},
    {-m (x - 2 π k / p) + 2 π / q, (2 k + 1) π / p ≤ x < (2 k + 2) π / p}}, {k, 0, p}], {1, 2}]]
f2[x_] :=
  Piecewise[
    Flatten[Table[{{m (x - 2 π k / p) - π / (2 q), 2 k π / p ≤ x ≤ (2 k + 1) π / p}, {-m (x - 2 π k / p) +
      2 π / q - π / (2 q), (2 k + 1) π / p ≤ x ≤ (2 k + 2) π / p}}, {k, 0, p}], {1, 2}]]
g[x_] :=
  Piecewise[Flatten[Table[{{m2 (x - 2 π k / q), 2 k π / q ≤ x < (2 k + 1) π / q},
    {-m2 (x - 2 π k / q) + 2 π / p, (2 k + 1) π / q ≤ x < (2 k + 2) π / q}}, {k, 0, q}], {1, 2}]]
g2[x_] :=
  Piecewise[Flatten[
    Table[{{m2 (x - 2 π k / q) - π / (2 p), 2 k π / q ≤ x ≤ (2 k + 1) π / q}, {-m2 (x - 2 π k / q) +
      2 π / p - π / (2 p), (2 k + 1) π / q ≤ x ≤ (2 k + 2) π / q}}, {k, 0, q}], {1, 2}]]

Plot[Table[f[x] + n 2 π / q, {n, 0, q}], {x, 0, 2 π}, PlotRange → {{0, 2 π}, {0, 2 π}}]
Plot[Table[g[x] + n 2 π / p, {n, 0, p}], {x, 0, 2 π}, PlotRange → {{0, 2 π}, {0, 2 π}}]

knot = ParametricPlot3D[Table[{Cos[ $\frac{q \theta}{p} + 2 \pi k / p$ ], Sin[ $\frac{q \theta}{p} + 2 \pi k / p$ ],  $\theta$ }, {k, 0, p}],
  {0, 0, 2 π}, PlotStyle → {Thick, Blue}];

insidewashers =
  Table[ComPolar[{r Exp[I (θ - π / (2 p))], Abs[r Exp[I θ]]4 f2[τArg[r Exp[I θ]]] + 2 π n / q}],
    {n, 0, q}] // ComplexExpand;
outsidewashers = Table[Rot[0]@Torus@Rot[0]@ComPolar2[{Unwrap@ (r Exp[I (θ - π / (2 q))]),
  Abs[r Exp[I θ]]4 g2[τArg[r Exp[I θ]]] + 2 π n / p}],
  {n, 0, p}] // ComplexExpand // Simplify;

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Show[
  knot,
  ParametricPlot3D[outsidewashers, {r, 0, 1}, {θ, 0, 2 π},
    Mesh → None, PlotRange → All, PlotPoints → 20, PlotStyle → Orange],
  ParametricPlot3D[insidewashers, {r, 0, 1}, {θ, 0, 2 π}, Mesh → None,
    PlotRange → All, PlotPoints → 20, PlotStyle → Green, Exclusions → True],

  PlotRange → {{-2, 2}, {-2, 2}, {0, 2 π}}
]
```