



Chirality Socks

by Star Athena

Sizes: Women's Medium (Large)

Foot circumference:

7 (9) inches (17.5, 23 cm) unstretched. Will stretch to fit 9 (11) inches (23, 28 cm).

Yarn: Fingering-weight sock yarn that gives you proper gauge. Sample shown: Barking Dog Yarns Opposites Attract [100% SUPERWASH Merino Wool; 400yd per 100 gram skein]; color: TBD: 1 split skein.

Needles: 1 set US #1/2.25mm 32" circular needles or double pointed needles, or size to get gauge.

Notions: Stitch markers, tapestry needle.

Gauge: 32 sts/48 rows = 4" in st st

NOTES: This pattern is worked from the cuff down with two colors. It includes mosaic knitting, a heel flap, and a grafted toe. The slipped stitches create a fabric that is slightly less stretchy than standard stockinette st. Keep this in mind when choosing yarn and sock size.

What is mosaic knitting? Describing mosaic knitting is harder than actually doing it. Barbara Walker named the process of slipping stitches while alternating rows of color "mosaic knitting" because it naturally lends itself to geometric design. Unlike stranded knitting, you only work with one color at a time. You will slip stitches to give the illusion of colorwork. In this pattern, you will work 2 rows of one color across the round, slipping the stitches that are indicated as the second color, then work 2 rows of the other color, slipping the other stitches. In the charts, The MC is represented with white and the CC is shaded.

This pattern is written using the magic loop or 2-circular method, where half the stitches are on N1, and the other half are on N2. You can easily divide these stitches again for double pointed needles.

KEEP ON KNITTING IN THE FREE WORLD!

star athena: spinner, knitter, fiber lover

ABBREVIATIONS:

CC: Contrasting Color

CO: Cast on

Est: Established

K: Knit

Ktbl: Knit through back loop

K2tog: Knit two stitches together as one stitch

N: Needle

MC: Main Color

P: Purl

P2tog: Purl two stitches together as one stitch

Rnd: Round

RS: Right (or public) side of work

Sl: Slip. As in, slip the next stitch from left to right purl-wise.

SSK: Slip one stitch as if to knit, slip the next stitch as if to knit, insert left needle into front of these two stitches and knit them together.

St: stitch

TBL: Through back loop

WS: Wrong (or non-public) side of work

YO: Yarn over

Start Sock:

Cuff:

With CC CO 64 (72) sts. Divide evenly between needles and join to begin working in the round, being careful not to twist sts when joining.

Rnds 1 - 18: Work Cuff Chart across all sts.

Leg:

Remember, you are working with one color at a time, slipping the stitches of the other color where indicated.

Rnds 1 - 2: With MC, knit.

Next rnds: Work rows 1 - 31 of Leg Chart across all sts.

Repeat rows 1 - 31 of Leg Chart across all sts.

Regular length sock (about 6.5"): Proceed to Heel instructions.

Longer sock (about 9.5"): Rep rows 1 - 31 of Leg Chart across all sts. Proceed to Heel instructions. NOTE: Make sure you have enough yarn if you extend the sock to the longer length.

Try on the sock to ensure fit.

Heel Flap:

You will work the heel flap back and forth over the next 32 (36) sts. They are all on N1. Leave the remaining instep sts on N2 for now. You will not use them while working the heel flap.

Rows 1 - 32 (36): Work rows 1 - 32 (36) of Heel Chart in appropriate size.

Proceed to heel turn.

Turn Heel:

Row 1: [RS] With CC k17 (19), ssk, k1, turn.

Row 2: [WS] Sl1, p5, p2tog, p1, turn.

Row 3: [RS] Sl1, k6, ssk, k1, turn.

Row 4: [WS] Sl1, p7, p2tog, p1, turn.
Row 5: [RS] Sl1, k8, ssk, k1, turn.
Row 6: [WS] Sl1, p9, p2tog, p1, turn.
Row 7: [RS] Sl1, k10, ssk, k1, turn.
Row 8: [WS] Sl1, p11, p2tog, p1, turn.
Row 9: [RS] Sl1. K12, ssk, k1, turn.
Row 10: [WS] Sl1, p13, p2tog, p1, turn.
Row 11: [RS] Sl1, k14, ssk, k1, turn work.
Row 12: [WS] Sl1, p15, p2tog, p1, turn work.
Row 13: [RS] Sl1, k16, ssk, k1, turn work.
Size Medium only:
Row 14: [WS] Sl1, p16, p2tog, turn work.
Row 15: [RS] With MC K18. Proceed to gusset.
Size Large only:
Row 14: [WS] Sl1, p17, p2tog, p1, turn work.
Row 15: [RS] Sl1, k18, ssk, k1, turn work.
Row 16: [WS] Sl1, p18, p2tog, turn work.
Row 17: [RS] With MC K20. Proceed to gusset.

Gusset:

NOTE: In the next section, the medium size will continue to work the Leg Chart across the instep. The large size will now work Foot Chart Large across the instep.

Set up round: With MC and needle 1, pick up 16 (18) sts along edge of heel flap, pick up 1 st in between heel flap and instep. With needle 2, work first row of Leg (Foot) Chart across instep, pick up 1 st in between instep and heel flap, pick up 16 (18) sts along other edge of heel flap, place marker to indicate beginning of round. 84 (94) sts. N1: 35 (39) N2: 49 (55)

NOTES: (All Sizes) In this next section, the beginning of the round will be shifted three sts to the left at each color change until the beginning of the round is just before the center of the sole. This will help conceal the jogs in the stripes when changing colors along the foot.

Rnd 1: K18 (20), p15 (17), k2tog, work next row of Leg (Foot) Chart across instep, ssk, p15 (17).

Rnd 2: K all sts on N1, k2tog; work next row of Leg (Foot) Chart across instep, ssk, k to end, remove marker, k3 from N1, replace marker. (Beginning of rnd shifted 3 sts to the left)

Rnd 3: With CC, k5 (6), sl1, k to last 2 sts on N1, k2tog; work next row of Leg (Foot) Chart across instep, ssk, k to end.

Rnd 4: K5 (6), sl1, k to end of N1, work next row of Leg (Foot) Chart across instep, k to end, remove marker, k3 from N1, replace marker. (Beginning of rnd shifted 3 sts to the left)



Rnd 5: With MC, k3 (4), sl1, k to last 2 sts on N1, k2tog, work next row of Leg (Foot) Chart across instep, ssk, k to end.

Rnd 6: K3 (4), sl1, k to end of N1, work next row of Leg (Foot) Chart across instep, k to end, remove marker, k2 (3) from N1, replace marker. This is now the beginning of the round and will remain so for the rest of the foot.

NOTE: Keep slipping the center sole sts as established for the rest of the foot.

Rnd 7: With CC, cont. as est to last 2 sts on N1, k2tog, work next row of Leg (Foot) Chart across instep, ssk, k to end.

Rnd 8: Cont. as est to end of N1, work next row of Leg (Foot) Chart across instep, k to end.

Rnd 9: With MC, cont. as est to last 2 sts on N1, k2tog, work next row of Leg (Foot) Chart across instep, ssk, k to end.

Rnd 10: Cont. as est to end of N1, work next row of Leg (Foot) Chart across instep, k to end.

Rep rnds 7 - 10 until you have 64 (72) sts remaining. Rearrange sts so that there are 32 (36) sts centered on each needle. N1: (sole) 32 (36) sts. N2: (top of foot) 32 (36) sts. Proceed to foot.

Foot:

Continue as established working two rounds in one color, then two rounds in the other. Keep slipping the center sole sts as established EXCEPT during rows 30-31, 1-3. Knit all sole sts (minding the slipped center sts) and work Leg (Foot) Chart across instep. Work in this manner until 2 inches to tip of toe. NOTE: Ending foot after completing round 31, 1, 2, 3, 15, 16, or 17 will yield best looking results. Break MC. Proceed to toe.

Toe:

Set-up rnd: K17 (19) to shift the beginning of the rnd, resulting in N1 = instep and N2 = sole.

Rnd 1: Knit

Rnd 2: Purl across instep, knit across sole.

Rnd 3: With CC [K1, ssk, work to last 3 sts on N, k2tog, k1] twice.

Rnd 4: Knit.

Rep rnds 3 - 4 until 24 (32) sts remain. 12 (16) sts on each needle.

Break yarn, leaving long enough strand to graft toe using Kitchener stitch. Graft remaining stitches together.

Finishing:

Weave in ends on the inside of sock. Block as desired.

This pattern was test knit by MayaMoonie, deesamnhank, fleuramour, rabbittaxi, and Pendie - many, many thanks!



Cuff Chart

8	7	6	5	4	3	2	1	
●	●	●	●	●	●	●	●	18
								17
V	●	●	●	V	●	●	●	16
V				V				15
●	V	●	●	●	V	●	●	14
	V			V				13
●	●	V	●	●	●	V	●	12
	V			V				11
●	●	V	●	●	●	V	●	10
	V			V				9
V	●	●	●	V	●	●	●	8
V				V				7
●	●	●	●	●	●	●	●	6
								5
●	●	●	●	●	●	●	●	4
								3
●	●	●	●	●	●	●	●	2
								1

Legend:

knit
knit stitch

purl
purl stitch

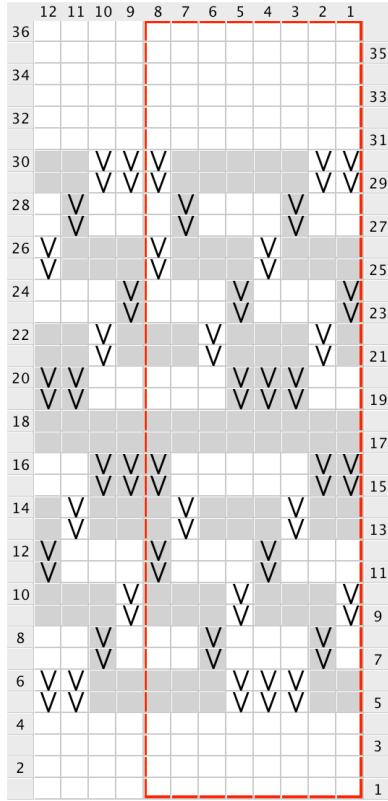
slip
Slip stitch as if to purl, holding yarn in back

Notes:

MC = White
CC = Shaded



Heel Chart Large



Legend:

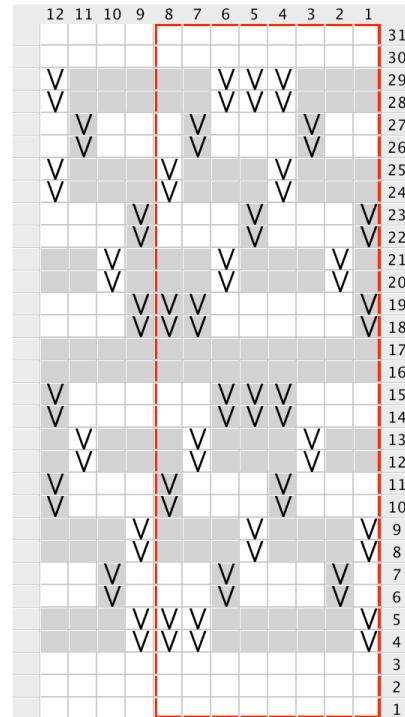
- knit
- RS: knit stitch
- WS: purl stitch

- slip
- RS: Slip stitch as if to purl, holding yarn in back
- WS: Slip stitch as if to purl, holding yarn in front

Notes:

Repeat red outlined section until last 4 sts, then work rest of chart.

Foot Chart Large



Legend:

- knit
- knit stitch

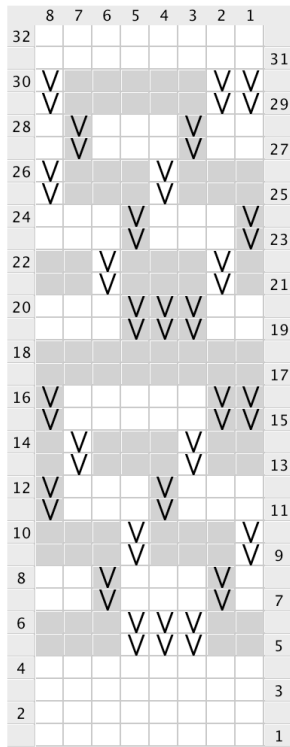
- slip
- Slip stitch as if to purl, holding yarn in back

Notes:

Repeat red outlined section until last 4 sts, then work rest of chart.

MC = White
CC = Shaded

Heel Chart Medium



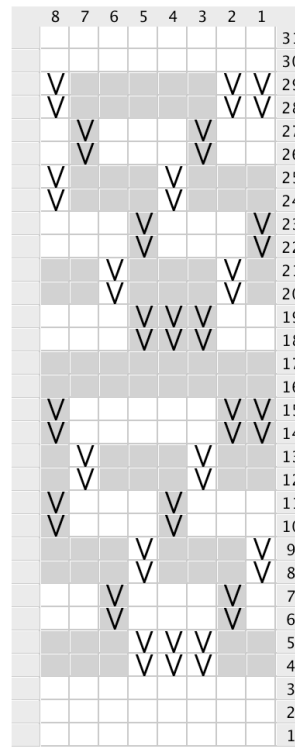
Legend:

- knit**
- RS: knit stitch
- WS: purl stitch

- slip**
- RS: Slip stitch as if to purl, holding yarn in back
- WS: Slip stitch as if to purl, holding yarn in front

Notes:
 MC = White
 CC = Shaded

Leg Chart



Legend:

- knit**
- knit stitch

- slip**
- Slip stitch as if to purl, holding yarn in back

Notes:
 MC = White
 CC = Shaded