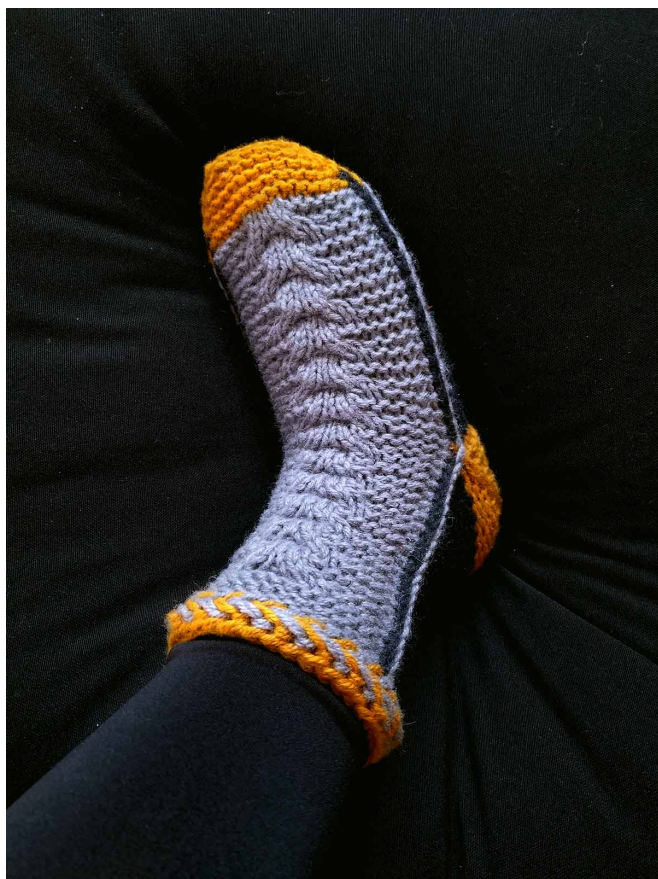


Planetes

Shanel Wu (Piper Nell)



Gauge: 16 sts x 24 rows = 4"/10cm

or 4 sts x 6 rows = 1"/2.5cm. Gauge is measured over slightly stretched stockinette stitch. A dense fabric is necessary for long-wearing socks. If you obtain a gauge tighter than 4 sts/1", choose a larger size sock instead of switching needle sizes.

Tools

- **Size A:** US7/4.5mm (or size needed to obtain tight gauge) in any style
- **Size B:** US9 (or 2 sizes larger than Needle A to work cuff)
- crochet hook and scrap yarn
- stitch markers

Sizing: XS (S, M, L, XL)

Fits EU shoe sizes 18-24 (25-32, 33-43, 44-49, 50+) or baby (child/adult narrow, adult medium, adult wide, adult XL/felting). Sizes correspond to foot widths of 2.5 (3.5, 4.5, 5.5, 6.5)" / 6.5 (9, 11.5, 14, 16.5) cm. Each size is written with a default foot length, which can be adjusted by following the instructions on the following page. Select size based on foot width.

Yarn Requirements

DK weight yarn held double, or aran/bulky weight alone, in three colors (C1, C2, C3).

C1: 25 (60, 120, 190, 260) yds / 25 (55, 110, 170, 240) m

C2: 15 (30, 40, 50, 70) yds / 15 (30, 40, 50, 70) m

C3: 30 (75, 150, 230, 330) yds / 30 (70, 140, 220, 300) m

Sample: Rauma 3tr Strikkegarn (118yds/50g, 100% Norwegian wool) in C1 - 1387 (navy blue), C2 - 146 (yellow), C3 - 138 (light blue).

Techniques

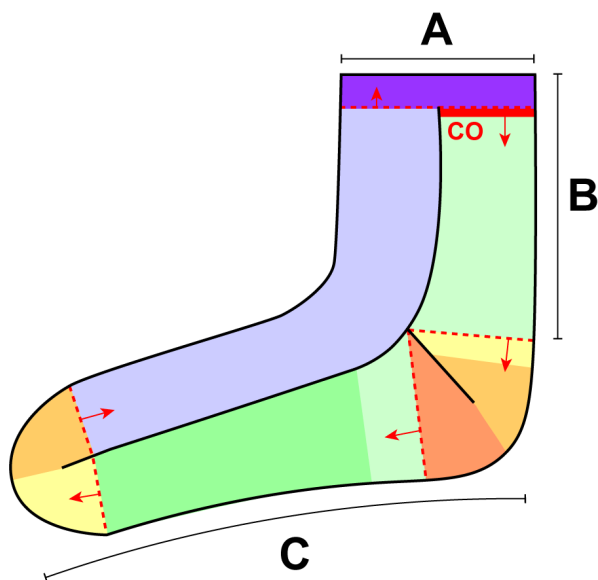
This pattern is suitable for an intermediate knitter. Prior to knitting this pattern, you should be familiar with provisional cast ons, increases, decreases, and simple cables. For a complete list of stitches used, see Pattern Key.

Pattern Key

Written instructions: repeats = [stitches] or
* thing to do, repeat from *

Abbr.	Description
CO	cast on
BO	bind off
RS	right side
WS	wrong side
pm	place stitch marker
sm	slip stitch marker
k	knit
p	purl
k2tog	knit 2 together
p2tog	purl 2 together
ssk	slip slip knit
sl	slip st (stitch) purlwise
sl1 wyib	sl 1 st with yarn in back
sl1 wyif	sl 1 st with yarn in front
psso	pass slipped st over
kfb	knit front back
C4B	slip 2 sts to cable needle and hold at back, k2, k2 sts from cable needle
C4F	slip 2 sts to cable needle and hold at front, k2, k2 sts from cable needle

Construction



A: Foot Width 2.5 (3.5, 4.5, 5.5, 6.5)" / 6.5 (9, 11.5, 14, 16.5) cm

B: Leg Height 2 (3, 5, 6, 7)" / 5 (7.5, 12.5, 15, 17.5) cm

C: Foot Length 4 (7, 9, 11, 13)" / 10 (17.5, 22.5, 27.5, 32.5) cm

The slipper begins with the back of the leg, proceeds down around the heel and sole, bends around the toe, then travels up the instep with a decorative cable pattern. The slipper finishes with a Latvian braid cuff. Each colored section in the schematic corresponds to a numbered section in the instructions.

Adjusting Length/Height

Foot Length: ____ Measure your foot from heel to toe to determine the foot length of your socks.

Leg Height: ____ For a *long* sock as shown in the sample, divide the foot length by 2. For a short sock, divide the foot length by 3 or by 4.

Adjusting Width

Adjusting width will be a more extensive modification. If none of the written sizes suits your needs (maybe you're modifying for a different gauge or more/less ease), you can CO any number of stitches to obtain your desired width. At the toe, work **Row 2** an even number of times until you decrease to approximately a third of your CO sts. At the gusset increases, repeat **Rows 9 and 10** until you've increased by a third of the CO stitch count. Work the heel decreases until you decrease to a third of the initial heel stitch count. Increase back to the CO stitch count to complete the sock.

1. Back Leg

Using a crochet hook and scrap yarn (or preferred method), provisionally CO 10 (14, 18, 22, 26) sts using C1. The first row worked into the CO is a RS row.

Row 1: Sl1 wyif, k to end.

Repeat Row 1 on both RS and WS (garter st) until piece measures 2 (3, 5, 6, 7)" / 5 (7.5, 12.5, 15, 17.5) cm or until desired leg height, ending after a WS row.

2. Heel

Part A

Change to C2. You can actually join C2 without cutting C1, to pick it up later. Repeat Row 1 6 (8, 8, 10, 12) more times. Then, work Row 2 a total of 6 (8, 12, 14, 18) times until 4 (6, 6, 8, 8) sts remain.

Row 2: Sl1 wyif, k to 3sts from end, k2tog, k1.

Part B

Work Rows 3 and 4 once to set up the second part of the heel.

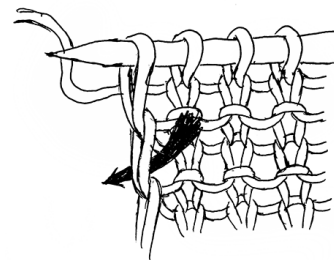
Row 3 (RS): sl1 wyib, k to 2 sts from end, kfb, sl1 wyib, pick up and knit first selvedge st below (see diagram A), psso and turn.

Row 4 (WS): sl1 wyif, k to 2 sts from end, kfb, sl1 wyif, pick up and purl first selvedge st below (see diagram B), psso and turn.

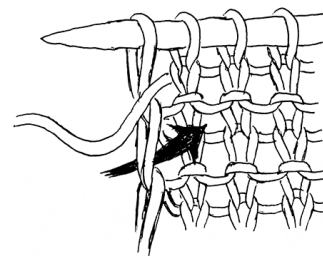
Then, repeat Rows 5 and 6 a total of 4 (6, 8, 10, 12) times until you have worked a st in all C2 selvedge sts. 14 (20, 24, 30, 36) total sts.

Row 5 (RS): sl1 wyib, k to 2 sts from end, kfb, sl1 wyib, pick up and knit 1 st in selvedge, psso and turn.

Row 6 (WS): sl1 wyif, k to 2 sts from end, kfb, sl1 wyif, pick up and purl 1 st in selvedge, psso and turn.



A: Insert R needle in this direction to pick up and knit in selvedge.



B: Insert R needle in this direction to pick up and purl in selvedge.

3. Sole with Gusset

Change back to C1. Work Rows 7 and 8 a total of 2 (3, 3, 4, 5) times until you return to 10 (14, 18, 22, 26) total sts.

Row 7 (RS): sl1 wyib, k to 3 sts from end, ssk, k1.

Row 8 (WS): sl1 wyif, p to 3 sts from end, p2tog, p1.

Work Rows 9 and 10 approximately 5 (10, 16, 21, 25) total times until piece measures 3 (5.5, 7.5, 9.5, 11.5)" / 7.5 (13.75, 18.75, 23.75) cm from the heel, or until 1 (1.5, 1.5, 1.5)" / 2.5 (3.75, 3.75, 3.75) cm short of the toe.

Row 9 (RS): sl1 wyib, k to end.

Row 10 (WS): sl1 wyif, p to end.

4. Toe

The toe is nearly identical to the heel, except that you're working with fewer stitches.

Part A

Break C1 and change to C2. Work Row 2 a total of 6 (10, 12, 14, 18) times until 4 (4, 6, 8, 8) sts remain, ending after a WS row.

Row 2: Sl1 wyif, k to 3sts from end, k2tog, k1.

Part B

Work Rows 3 and 4 once to set up the second part of the toe.

Row 3 (RS): sl1 wyib, k to 2 sts from end, kfb, sl1 wyib, pick up and knit first selvedge st below (see diagram A), psso and turn.

Row 4 (WS): sl1 wyif, k to 2 sts from end, kfb, sl1 wyif, pick up and purl first selvedge st below (see diagram B), psso and turn.

Then, repeat Rows 5 and 6 a total of 2 (4, 5, 6, 8) times to return to 10 (14, 18, 22, 26) total sts.

Row 5 (RS): sl1 wyib, k to 2 sts from end, kfb, sl1 wyib, pick up and knit 1 st in selvedge, psso and turn.

Row 6 (WS): sl1 wyif, k to 2 sts from end, kfb, sl1 wyif, pick up and purl 1 st in selvedge, psso and turn.

5. Instep

Break C2 and change to C3. Work Rows 11 and 12 once to set up the instep pattern. For size XS, note that there are no sts between the selvedge st and marker.

Row 11 (RS): sl1 wyib, k - (2, 4, 6, 8), pm, work Row 1 of Cable Chart, pm, k - (2, 4, 6, 8), sl1 wyib, pick up and knit 1 st in selvedge, psso and turn.

Row 12 (WS): sl1 wyif, k - (2, 4, 6, 8), sm, work Row 2 of Cable Chart, sm, k - (2, 4, 6, 8), sl1 wyif, pick up and purl 1 st in selvedge, psso and turn.

Then, repeat Rows 13 and 14, working through the Cable Chart, until you have 1-3 selvedge sts left unworked after completing Row 6 of the chart.

Row 11 (RS): sl1 wyib, k - (2, 4, 6, 8), sm, work next row of Cable Chart, sm, k - (2, 4, 6, 8), sl1 wyib, pick up and knit 1 st in selvedge, psso and turn.

Row 12 (WS): sl1 wyif, k - (2, 4, 6, 8), sm, work next row of Cable Chart, sm, k - (2, 4, 6, 8), sl1 wyif, pick up and purl 1 st in selvedge, psso and turn.

To finish instep, repeat Rows 13 and 14 but instead of cable pattern, work garter st (i.e. k all sts between markers) until all selvedge sts have been worked.

6. Cuff

Next row (RS): sl1 wyib, k to end, removing all markers as they come. Instead of turning work, unpick provisional CO and k all live sts. You may have to use the CO tail to secure the last st. Join in the round and pm for end of the round. 20 (28, 36, 44, 52) total sts.

Switch to larger needles. Join C3 and work Latvian braid as follows using both C2 and C3.

Rnd 1: [k1 C2, k1 C3] around. Carry the strand not in use on the WS.

Rnd 2: Bring both yarns forward to RS. * p1 C2, bring C3 *under* C2 to twist yarns, p1 C3, bring C2 *under* C3 to twist, repeat from * around.

Rnd 3: * p1 C2, bring C3 *over* C2 to twist in opposite direction, p1 C3, bring C3 *over* C2, repeat from * around.

These instructions produce a right-leaning braid. For a left-leaning braid, switch Rnds 2 and 3 (i.e. twist *over* first, and then *under*).

Break C2. BO loosely and/or with a stretchy method using C3. Weave in all ends. Repeat for second sock, and block or felt if desired.

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