By Denise Bein Kroll

## Spikes and Whorls Footies

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I'm not usually one to base a design solely on the color of the yarn, but this lavender yarn challenged me to design a lace that actually resembled lavender. The columns of twisted stitches that form a series of stacked loops, plus the waving eyelets suggest the plants own 'spikes and whorls'.

## Intermediate

Size: Women's medium/large
(Circumference 8.5" - 9" / Length 9.5" customizable)

Gauge: 34 st and 40 rows $=4^{\prime \prime}$ in stockinette
Materials: about 40-50 grams of fingering weight yarn. The larger size might take slightly more than 50 grams for a loose knitter or a longer foot.

Shown in Hikoo Cobasi (Light Fingering / 3 ply 55\% Cotton, 21\% Nylon, 16\% Bamboo, 8\% Silk 220 yards / 50 grams) and Simply Sock by Simply Sock Yarn Co, Fingering / 4 ply, 80\% Merino, 20\% Nylon, 175 yards / 50 grams

Needles: Set of Size 2.25 mm (US 1) needles (dpn or 32 " circular as preferred)

Notions: Stitch markers, row counter and darning needle

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Pattern notes: The lace will stretch more horizontally than vertically, so measure slightly stretched when doing any measurements.

The chart is worked on the instep only. Charts are given at the end of the pattern for clarity. Work the appropriate chart for the version/ size intended.

Instructions for larger size are given in parenthesis () unless otherwise stated

## Directions:

Cuff: Using the long tail method, cast on 60 (64) stitches, join to work in the round (being careful not to twist)

Work 8 rounds Ribbing: K2, P2, repeat to end
Knit 1 eyelet round as follows: K2, YO, K2tog, repeat to end
Knit 1 round, then begin short rows on next 30(32) stitches.

## Short row shaping and heel set up:

Row 1: Knit 27 (29), W\&T
Row 2: P24(26), W\&T
Row 3: Knit 27 (29), picking up wrapped stitch, turn
Row 4: S1, P29(31), picking up wrapped stitch.
Set up is complete, begin working the heel on 30(32) stitches
Heel Flap: Work Eye of Partridge heel (worked back and forth) on 30(32) stitches.
Row 1: *S1, K1 repeat from * to end
Row 2: SI, P to end
Row 3, S1, *S1, K1, repeat from * to last two stitches, K2
Row 4: SI, P to end
Repeat these 4 rows until 32 total rows have been worked.

## Heel turn:

Set up rows: Knit 17(18), SSK, K1, turn, SI1, P5, P2tog, P1, turn
Row 1: Knit to 1 stitch before the gap, SSK, K1, turn
Row 2: Purl to one stitch before the gap, P2tog, P1, turn

Repeat rows 1 and 2 until all stitches on each side of gaps have been worked (18 stitches remain)

## Knit 1 row

Gusset: (Lace pattern on instep begins with the first round of gusset)
Pick up 17 (18) stitches on left side of heel flap, work chart row 1 on instep, pick up 17 (18) stitches on right side of instep, knit 9 heel stitches.

There should now be $1 / 2$ heel/gusset stitches on needle 1 , instep stitches on needle 2 and $1 / 2$ heel/gusset stitches on needle 3).

Round begins in center of heel. Work (chart) round 2 without decreasing.
Round 1 (Decrease round): Knit to 3 stitches before beginning of instep, K2tog, K1, knit instep according to chart, K1, SSK, knit to end

Round 2: Knit all heel/gusset stitches, work instep according to chart
Work these two rounds until 60(64) stitches remain.
Foot: Continue working chart rounds until reaching approximately 1.5 " less than desired length (the base of the big toe).

Knit 1 round

## Toe shaping:

Decrease round: : Knit to 3 stitches before beginning of instep, K2tog, K1, K1, SSK, knit to 3 stitches before last instep stitch K2tog, K1, K1, SSK, knit to end.

Knit 1 round
Now, alternate 1 decrease round and one knit round until 32 stitches remain
Then work only decrease round until 20 stitches remain, knit across needle 1 with needle 3 so there are 10 stitches on each needle.

Finishing: Close the toe using Kitchener stitch, Knit second footie, enjoy!


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## Charts

## Terms and abbreviations:

W\&T - slip stitch to right needle, wrap working yarn around stitch, slip back to left needle, turn work

S1-slip 1 stitch purl-wise

## Key



Knit 2 stitches together k2tog


Slip, slip, knit slipped sts together ssk

Yarn Over


1/1 Left Cross
1ik
Sl 1 to front, $k 1, k$ st from en


11 rc
sl 1 to back, k1, kst from on

Lace pattern for instep: for 60 stitch sock, work area of chart bordered in red (omit first and last stitch)


Chart rounds:
Round 1: (kl) pl, k2łog, yo, p1, k1, pl, k2tog, yo, pl, 11rc, $11 \mathrm{lc}, \mathrm{pl}, \mathrm{k} 2, \mathrm{pl}, 1 \mathrm{lrc}, 1 \mathrm{llc}, \mathrm{pl}$, yo, ssk, pl, k1, pl, yo, ssk, pl (Kl)
Round 2: (kl) k5, pl, k2, pl, k4, pl, k2, pl, k4, p1, k2, p1, k1, p1, k2, p1, (k1)
Round 3: (k2) K1, yo, ssk, k2, p1, yo, ssk, p1, 1 llc, 1 lrc, p1, k2, pl, $1 \mathrm{llc}, 1 \mathrm{lrc}, \mathrm{pl}, \mathrm{k} 2 \mathrm{tog}$, yo, pl, k1, pl, k2łog, yo, pl, (kl\}
Round 4: (kl) k5, pl, k2, p1, k4, p1, k2, pl, k4, pl, k2, pl, k1, p1, k2, pl, (kl)


## Alternate Chart

For a variation on the theme, try knitting a pair with this chart. As with the original, if making the 60 stitches/med size, omit the 1st and last stitch on the chart:


Round 1: (pl) k1, pl, k2łog, yo, p1, 11rc, 11lc, p1, k2łog, yo, p1, 11rc, 11lc, p1, yo, ssk, pl, $11 r \mathrm{c}, 1 \mathrm{llc}, \mathrm{pl}, \mathrm{yo}, \mathrm{ssk}, \mathrm{pl}, \mathrm{kl}$ (pl)
Round 2: (pl) k1, pl, k2, p1, k4, pl,k2, pl, k4, p1, k2, p1, k4, pl, k2, pl,k1 (pl)
 11lc, 11rc, pl, k2łog, yo, pl, kl (pl)
Round 4: (pl) kl, pl, k2, pl,k4, pl, k2, p1, k4, pl, k2, pl,k4, p1,k2, pl,kl (pl)

