

Pi Hat



Want to wear the first 23 digits of pi on your person? Want to give other people the secret nerd handshake? Here's the place to do it. A hat with a folded-over hem to keep your ears warm, with the first few digits of pi around the brim. The actual symbol pi is on top of the crown (perhaps a clue?)

As the designer of this pattern, I would love to hear your comments on it. Inspiration taken from this pattern is encouraged. However, this pattern cannot be put to any commercial use, including selling the pattern in this or any other format, teaching a for-pay class, or selling hats made from this pattern (whether for charity or profit), without prior written permission from the author .

This is a free pattern. If you have paid for this pattern, please contact TJ by emailing TJ@johnnysstew.com.

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Fits one large adult egghead.

What you'll need:

- The ability to do, or willingness to learn: two-color stranded knitting, knitting in the round with circular and double-pointed needles, knitting a hem, increasing, decreasing, and finishing
- About 150 yards of worsted weight yarn for the main color.
- About 20 yards of worsted weight yarn in a coordinating color.
- size 7US 16-inch circular needles, or whatever needles yield a gauge of about 5 st/inch.
- size 7US double pointed needles
- yarn needle and scissors for finishing.

Directions:

Brim:

Cast on 95 stitches using 2-ended aka slingshot cast on, OR do a provisional cast on. Connect the stitches, being sure not to twist them, and begin knitting in the round.

(Why? The slingshot cast on leaves loose loops that are easy to pick up later when working the hem, while the provisional cast on leaves live stitches to work at the hem. Choose one.)

Work 16 rounds plain, in stockinette stitch.

Purl one row. This provides a natural folding point for the brim.

While knitting the next row, evenly increase by 10 stitches, so that 105 stitches are on the needles at the end of this row.

Knit 3 rows plain, then work the color charts labeled "Section A" from right to left (starting with "... " and ending with the number 3.). Every 10th stitch is highlighted and numbered so that the chart can be more easily followed. The numbers are:
3.14159265358979323846264.

When Section A is complete, weave in all ends.

(Why? Because the brim is about to be knitted shut, and then the ends will be stuck inside the brim.)

Work three more plain rows, then evenly decrease 9 stitches across the round, leaving 96 stitches. On the next row, connect the brim in the following manner:

-If a provisional cast on was used: unzip it and slip the stitches onto a smaller circular needle. *Place the first unzipped stitch on the same needle as the ready-to-be-worked

stitches. Knit the first two stitches on this needle together.* Continue working from * to * until all stitches from the initial cast-on edge have been worked, and finish the round (one more stitch). At this time, you should have 96 stitches. Continue to the next section.

-If a slingshot cast-on was used: First, identify the loose stitches around the cast-on edge. You will be picking these stitches up as you knit the brim. Place the first loop from the cast-on edge on the same needle as the ready-to-be-worked stitches. Knit this loop together with the first stitch. *Place the next loop from the cast-on edge on the same needle as the ready-to-be-worked stitches. Knit this loop together with the first stitch.* Continue from * to * until all the stitches at the cast-on edge have been used, and then finish the round (there should be one more stitch). At this time you should have 96 stitches. Continue to the next section.

Body of the hat:





Work plain with the background color until the hat is 6.5 inches long measured from the purled row, or until the hat is as deep as desired.

Top of the hat:

Begin the chart in Section B. Chart B will be worked 6 times per round. At the end of the chart, break the yarn off at least a foot from the work, thread the yarn through the remaining stitches, and weave in the ends.

Wash and block the hat, and wear it with dorky pride.

Symbol Key:

Key:	
	knit 2 together
	knit 1, sl1, pss0
	main color
	contrast color

Charts:

Section A:

