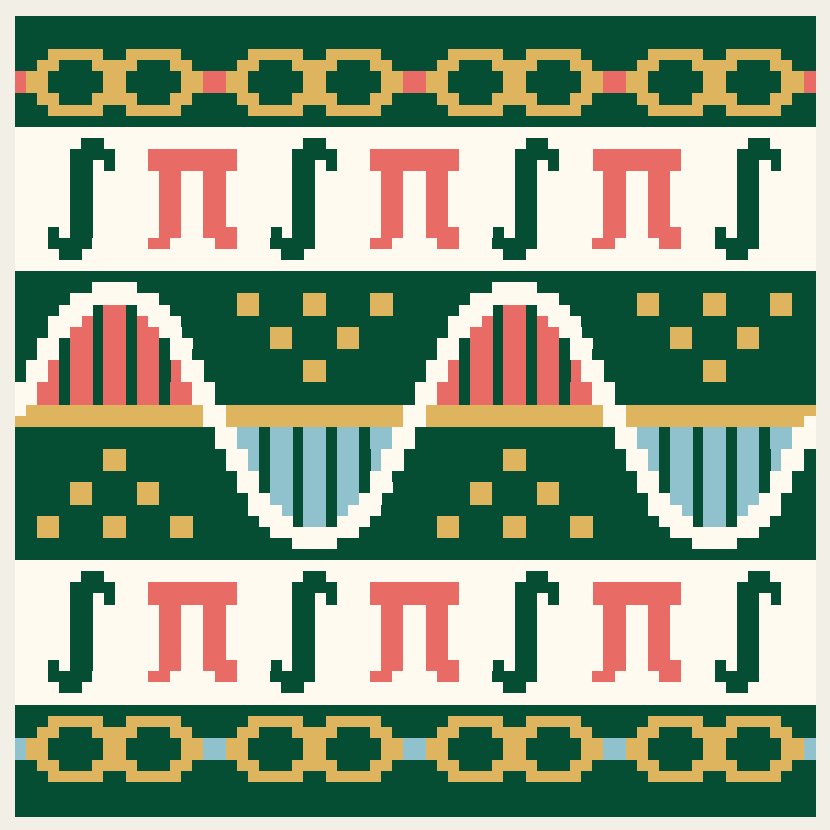
# Calculus sine waves and pi

Needlepoint pattern | 72 x 72 stitches | 4 x 4 in (10.2 x 10.2 cm) on 18 mesh | 5 colors



## Thread key

| | | | stitches | yards | skeins of floss |
|---|---|---|---|---|---|
| ● | **DMC 500** | Very Dark Blue Green | 2,432 | 17 | 2 |
| ■ | **DMC 712** | Cream | 1,600 | 11 | 2 |
| ▲ | **DMC 3820** | Dark Straw | 610 | 5 | 1 |
| ◆ | **DMC 351** | Coral | 406 | 3 | 1 |
| ▼ | **DMC 598** | Light Turquoise | 136 | 1 | 1 |

One chart square is one tent stitch over one canvas intersection.

Cut the canvas at least 8 x 8 in (20.3 x 20.3 cm) for 18 mesh: the design and 2 in (5.1 cm) of margin on every side.

5,184 stitches in all. Start from the center: the red arrows above and to the left of the chart mark it.

Thread: six-strand floss, 4 to 6 strands in the needle on 18 mesh (counted at 6), about 7 skeins of 8.7 yd in all. Or pearl cotton size 5, 1 strand, about 5 skeins of 27.3 yd; or Persian wool, 1 strand, about 5 skeins of 8 yd. Wool is numbered differently: match it by eye. Needle: tapestry, size 22.

Yards and skeins are estimates: the thread a stitch takes on the front and back of 18 mesh canvas, plus 30 percent, rounded up for each color (about 37 yards in all, as the thread lies in the needle).

Thread colors are approximate screen matches to DMC numbers. Check against real thread before you buy.

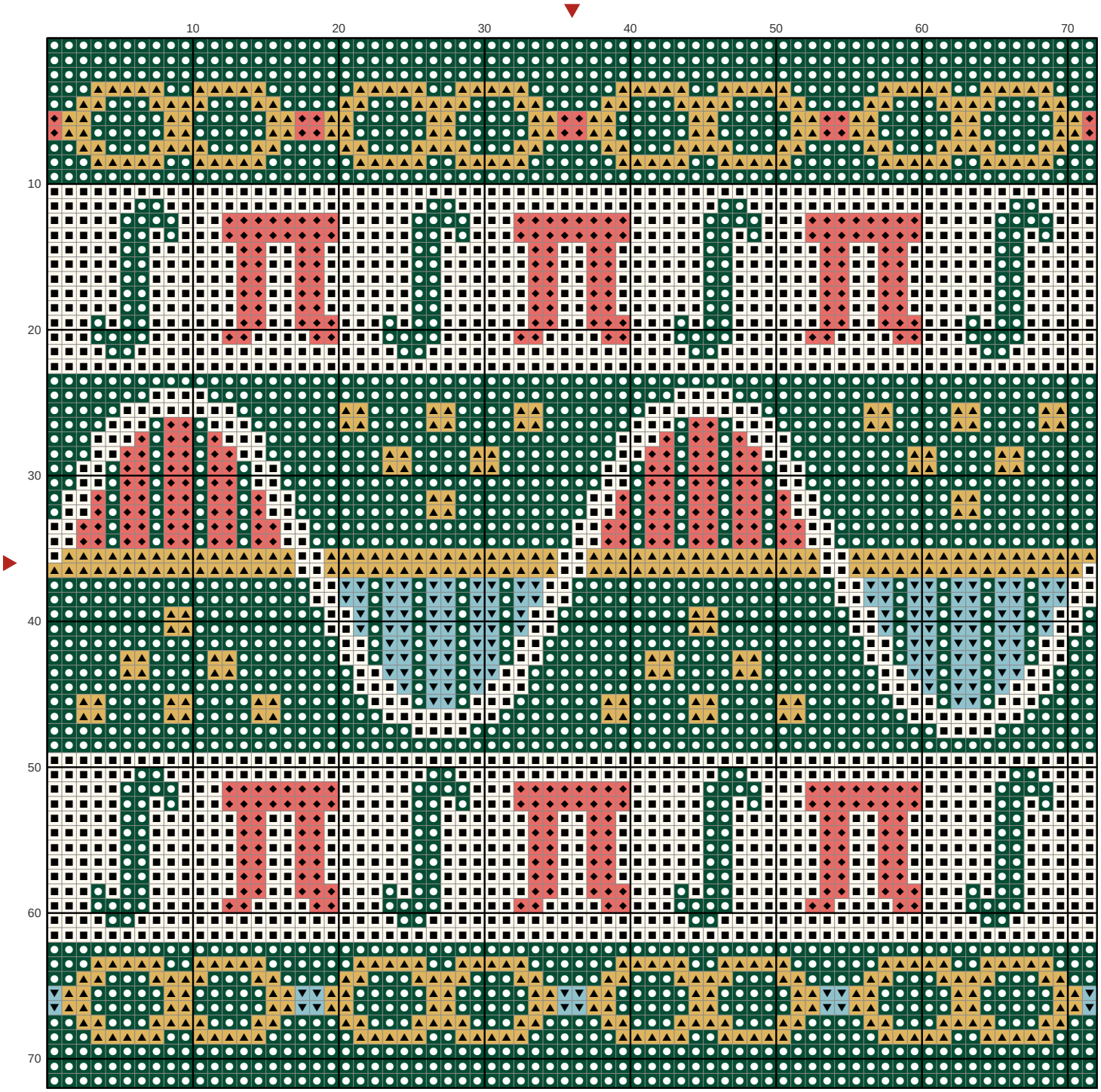
Make it an ornament: also have board, thin batting, backing fabric and twisted cord. Stitch two or three extra rows of background all round: the edge of the board takes them. "How to finish an ornament" is a guide linked from this pattern's page.

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# Calculus sine waves and pi

Needlepoint pattern

Chart: 72 x 72 stitches




## Key

- **DMC 500** Very Dark Blue Green
- **DMC 712** Cream
- **DMC 3820** Dark Straw
- **DMC 351** Coral
- **DMC 598** Light Turquoise