The 7-Line Generator Function version of the String Art Excel file

When examining images in this chapter, it is helpful to have a file that automates the **P** generation process so that it changes whenever **n**, **S**, **k**, or **J** changes. That way, changing any one of the parameters, changes **P** as well and hence makes exploration more seamless.

Automating Searches for Images in *Excel*. The *String Art using 7-Line Generator Function* file is a modified version of one of the **ESA** Chapter 10 Excel files. That file was modified to use the spinner in E36:E39 to control *k*, and *P* in E1 is linked to *The 7-Line Generator Function* value of P calculated in M36. A screenshot of the dashboard in D25:M41 looks like this.

			7-line P	
	1 k, multiplication factor for times around the image.	-	37	
	The 7-Line Generator Function $P = \text{ROUND}(nkS/7,0)$ produce images v line is close to the top. This works for $k = 1, 2, 3$. Below is a version fo			
Write notes here	10 G ^e 26 G-Line value of P	n/J	0.44444444	
	If k=1 version does not work, try other values of k < G/2 7			
	(19,19,103,11) is 3SST These are notes from 7gon 🛛 🚺 -1	E, enc	of Gth line	

The green portion at the bottom is some of the unprotected area. Shown here is the setup that you can use if you want to explore G-line images rather than just 7-line images. The equation is set up for G = 10 (a 10-gon or 10-gram, for example). To explore this, type = J40 in E1 instead of =M36. The end of the chapter discusses composite G-line images. I have left my notes in the green area so you can see what I did early on in my explorations. At the time, there were two spinners in this area and the file was set to examine partial way around images.