R Notebook

## Warning: package 'gifski' was built under R version 4.3.3

# Sierpiński triangle

The **Sierpinski triangle** (also with the original orthography Sierpiński), also called the **Sierpinski gasket** or **Sierpinski sieve**, is a fractal attractive fixed set with the overall shape of an equilateral triangle, subdivided recursively into smaller equilateral triangles.

sierpinski.df <- generateSierpinski(rows = 2^depth)

par(mar=c(0.2, 0.2, 1.5, 0.2))  
for (draw.depth in seq(1, 2^depth, length = 20)) {  
 plot(sierpinski.df[seq\_len(draw.depth), ],  
 ylim=c(0, sqrt(.75)), xlim=c(0, 1), pch=".",  
 xlab="", ylab="", xaxt="n", yaxt="n",  
 main="Sierpinski Triangle")  
}

