

1135-VI-737 **L. Franklin Kemp*** (lfkmp@yahoo.com), 3004 Pataula Lane, Plano, TX 75074-8765. *(Co)Sine Clock.*

(Co)Sine Clock, a computer generated clock, projects a unit second hand onto the x and y axes of a unit circle to manifest cosine and sine hands, respectively. Two mechanical versions are described. Trig Sum Clock forms the complex product of unit second and minute hands in a unit circle to give a unit hand whose position is the sum of the arcs of the two hands, reducing the product to a sum. (Received September 13, 2017)