```
(cos (A+B)
           f(x) = cos(x)
                                                                    cos(A) cos(B) - sin(A) sin(B)
                                                                       cos (x+h)
                                                                       cos(x) cos(h) - sin(x)sin(h)
                          r > 0
                             lim cos(x+h) - cosx
                              h+0)
       Cosine Sum Formula
  cos(x +h)
                                1im [cos (x) cos(h) - sin(x) · sin(h) - cos(x)
 cos(x)cos(h) + sin(x)sin(h)
                                 n+0 [cos(x) cos(h) - cos(x) - sin(x)·sin(h)
lim sin(h) = 1.
h > 0. h.
                                  \lim_{h\to 0} \left[\cos(x) \cdot \frac{\cos(h)-1}{h} - \sin(x) \cdot \frac{\sin(h)}{h}\right]
lim cos(h)-1 =0
                                 cos(x) = lim [cos(h) -1] - sin(x) · lim [sin(h)]

h > 0 h | h
                                cos(x) . 0 - sin(x) . 1
```