Transformation of Sum or Difference into Products

- $\sin A + \sin B = 2\sin\frac{(A+B)}{2}.\cos\frac{(A-B)}{2}$
- $\sin A - \sin B = 2\sin\frac{(A-B)}{2}.\cos\frac{(A+B)}{2}$
- $\cos A + \cos B = 2\cos\frac{(A+B)}{2}.\cos\frac{(A-B)}{2}$
- $\cos A - \cos B = -2\sin\frac{(A+B)}{2}.\sin\frac{(A-B)}{2}$