Unit n°51

Nachtrag 2

$$\sin x = \left|\sin x\right|$$

$$\frac{\sin 2x}{\cos x} = \left|2\sin x\right|$$

$$-\sin 3x = \begin{vmatrix} \sin x & 1 & 0 \\ 1 & 2\sin x & 1 \\ 0 & 1 & 2\sin x \end{vmatrix}$$

$$-\frac{\sin 4x}{\cos x} = \begin{vmatrix} 2\sin x & 1 & 0 \\ 1 & 2\sin x & 1 \\ 0 & 1 & 2\sin x \end{vmatrix}$$

$$\sin 5x = \begin{vmatrix} \sin x & 1 & 0 & 0 & 0 \\ 1 & 2\sin x & 1 & 0 & 0 \\ 0 & 1 & 2\sin x & 1 & 0 \\ 0 & 0 & 1 & 2\sin x & 1 \\ 0 & 0 & 0 & 1 & 2\sin x \end{vmatrix}$$

$$\frac{\sin 6x}{\cos x} = \begin{vmatrix} 2\sin x & 1 & 0 & 0 & 0 \\ 1 & 2\sin x & 1 & 0 & 0 \\ 0 & 1 & 2\sin x & 1 & 0 \\ 0 & 0 & 1 & 2\sin x & 1 \\ 0 & 0 & 0 & 1 & 2\sin x \end{vmatrix}$$

$$\cos x = \begin{vmatrix} \cos x \end{vmatrix}$$

$$\cos 2x = \begin{vmatrix} \cos x & 1 \\ 1 & 2\cos x \end{vmatrix}$$

$$\cos 3x = \begin{vmatrix} \cos x & 1 & 0 \\ 1 & 2\cos x & 1 \\ 0 & 1 & 2\cos x \end{vmatrix}$$

$$\cos 4x = \begin{vmatrix} \cos x & 1 & 0 & 0 \\ 1 & 2\cos x & 1 & 0 \\ 0 & 1 & 2\cos x & 1 \\ 0 & 0 & 1 & 2\cos x \end{vmatrix}$$

$$\cos 5x = \begin{vmatrix} \cos x & 1 & 0 & 0 & 0 \\ 1 & 2\cos x & 1 & 0 & 0 \\ 0 & 1 & 2\cos x & 1 & 0 \\ 0 & 0 & 1 & 2\cos x & 1 \\ 0 & 0 & 0 & 1 & 2\cos x \end{vmatrix}$$