

Interpolation von Sinus und Kosinus – *Interpolation of Sine and Cosine*

Winkel – <i>angle</i>	Sinus – <i>sine</i>	Kosinus – <i>cosine</i>
alpha		
d_1	$\sin(d_1)$	$\cos(d_1)$
d_2	$\sin(d_2)$	$\cos(d_2)$
$d_{\text{delta}} = d_2 - d_1$	$\sin_{\text{delta}} = \sin(d_2) - \sin(d_1)$	$\cos_{\text{delta}} = \cos(d_2) - \cos(d_1)$
offset = alpha - d_1		
factor = offset : d_{delta}	$\sin_{\text{offset}} = \sin_{\text{delta}} \cdot \text{factor}$	$\cos_{\text{offset}} = \cos_{\text{delta}} \cdot \text{factor}$
result	$\sin(\text{alpha}) = \sin(d_1) + \sin_{\text{offset}}$	$\cos(\text{alpha}) = \cos(d_1) + \cos_{\text{offset}}$

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