

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 _{delta} = d ₂ - d ₁	sin _{delta} = sin(d ₂) - sin(d ₁)	cos _{delta} = cos(d ₂) - cos(d ₁)
offset = alpha - d ₁		
factor = offset : d _{delta}	sin _{offset} = sin _{delta} · factor	cos _{offset} = cos _{delta} · factor
result	sin(alpha) = sin(d ₁) + sin _{offset}	cos(alpha) = cos(d ₁) + cos _{offset}

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 _{delta} = d ₂ - d ₁	sin _{delta} = sin(d ₂) - sin(d ₁)	cos _{delta} = cos(d ₂) - cos(d ₁)
offset = alpha - d ₁		
factor = offset : d _{delta}	sin _{offset} = sin _{delta} · factor	cos _{offset} = cos _{delta} · factor
result	sin(alpha) = sin(d ₁) + sin _{offset}	cos(alpha) = cos(d ₁) + cos _{offset}

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 _{delta} = d ₂ - d ₁	sin _{delta} = sin(d ₂) - sin(d ₁)	cos _{delta} = cos(d ₂) - cos(d ₁)
offset = alpha - d ₁		
factor = offset : d _{delta}	sin _{offset} = sin _{delta} · factor	cos _{offset} = cos _{delta} · factor
result	sin(alpha) = sin(d ₁) + sin _{offset}	cos(alpha) = cos(d ₁) + cos _{offset}