

Bijlage 1

MBS

$$u = \frac{\cos^2 \theta}{A \cdot \cos^{1/2}(2\theta)}$$

$$\frac{du}{d\theta} = \frac{-A \cos^{1/2}(2\theta) \cdot 2 \cos \theta \cdot \sin \theta + \cos^2 \theta \cdot \frac{1}{2} A \cos^{-1/2}(2\theta) \cdot \sin 2\theta \cdot 2}{A^2 \cos(2\theta)}$$

$$\frac{du}{d\theta} = \frac{\sin(2\theta) (\cos^2(\theta) \cdot \cos^{-1/2}(2\theta) - \cos^{1/2}(2\theta))}{A \cdot \cos(2\theta)} \quad \text{VERM. MET } \frac{\cos^{1/2}(2\theta)}{\cos^{1/2}(2\theta)}$$

$$\frac{du}{d\theta} = \frac{\sin(2\theta) [\cos^2(\theta) - \cos(2\theta)]}{A \cdot \cos^{3/2}(2\theta)} = \frac{\sin(2\theta) [\sin^2(\theta)]}{A \cdot \cos^{3/2}(2\theta)}$$