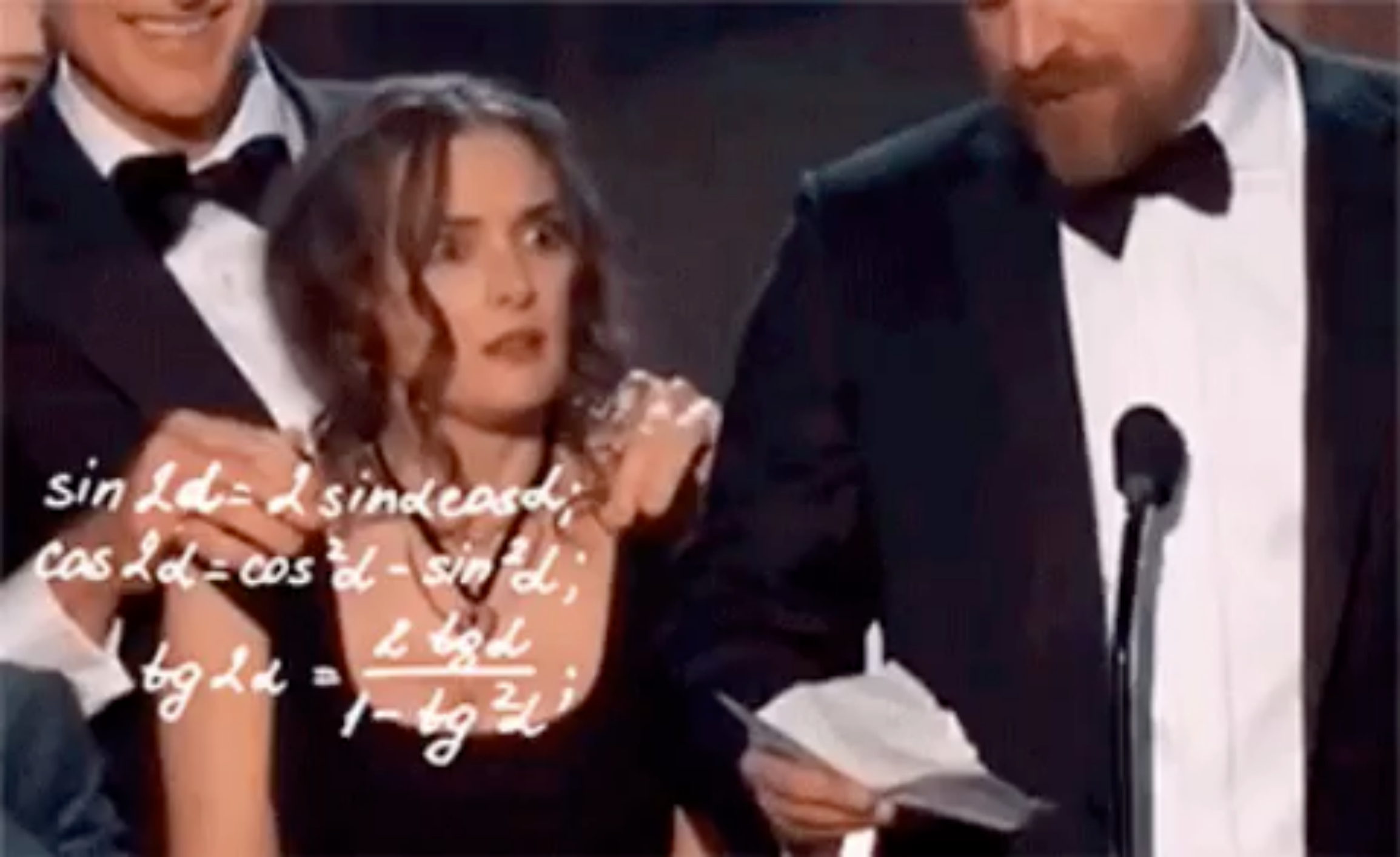


$$\sin 2\alpha = 2 \sin \alpha \cos \alpha;$$

$$\cos 2\alpha = \cos^2 \alpha - \sin^2 \alpha;$$

$$\operatorname{tg} 2\alpha = \frac{2 \operatorname{tg} \alpha}{1 - \operatorname{tg}^2 \alpha};$$



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 $\operatorname{tg} 2\alpha = \frac{2 \operatorname{tg} \alpha}{1 - \operatorname{tg}^2 \alpha};$



