$$* \tan 2x - \tan x = \tan x \sec 2x \quad \Phi$$

$$\frac{\tan x \sec^2 x}{1 - \frac{\sin^2 x}{\cos^2 x}}$$

$$\tan 2x - \tan x$$

$$\frac{\tan x + \tan^3 x}{1 - \tan^2 x}$$

$$\frac{\tan x \cos^2 x \sec^2 x}{\cos^2 x - \sin^2 x}$$

$$\frac{\tan x \left(1 + \tan^2 x\right)}{1 - \tan^2 x}$$

$$\frac{2 \tan x}{1 - \tan^2 x} - \tan x$$

$$\frac{2 \tan x - \tan x + \tan^3 x}{1 - \tan^2 x}$$

$$\frac{\tan x \sec^2 x}{1 - \tan^2 x}$$

$$\tan x \frac{1}{\cos^2 x - \sin^2 x}$$

$$\tan x \sec 2x$$

$$\frac{2 \tan x - \tan x (1 - \tan^2 x)}{1 - \tan^2 x}$$