

Bemerkung 2.7: Exakte Differentialgleichungen

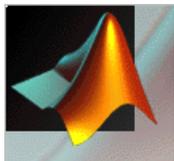
Beispiel Exakte Differentialgleichung

$$y'(x) = \frac{x + y^2}{1 - 2xy} \Leftrightarrow$$

$$(x + y^2)dx + (2xy - 1)dy = 0$$

Lösung (in impliziter Form)

$$\frac{1}{2}x^2 + xy^2 - y = c, \quad (c \in \mathbb{R})$$



see [specex.m](#)

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% how to use  
help specex
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