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ka = 009((804 297%) , 40 34 08231). 0.00348

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Gp Oke Fi (40286 +2-0.00344 3902343 +0,04I6L) =

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ki 04s (( 9045) 0,321): 0,049

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2

tev: 6, 076 (082544075) + 2379+ 0024429 Joo gagx

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key 0, 075((G5¢ 0,05)" 2 4 0 473 4 DOL 2 9 o44

Y= 0419+ va (0 0378480 0F08-9041+0,044)s 2453

% WolframAlpha sere"

solve y' = Xxx+3xxxy 8

a Mf @ Ho

Input interpretation

solve y"(x) = xx+3xy(x) ®

Result

(xX) = cy ere, = = 682? ert y ~ Xl-—

3V6 2 3 Fe

Approximate form [Y Step-by-step solution

@

ODE classification

first-order linear ordinary differential equation a

Alternate form

y (x) = x (3 yx) +x) a

y (x) =x (3 y(x) +x) Slope field

Slope field ~

NANNN Ninn 2 47 //

Sneer vr Syy / errr yy

——— errr

LLL nn

-06 -04 -02 00 02 O04 06 z

Fewer points More points

Plots of sample individual solution

yO) =1

Sample solution family

z 40

30

20

00 02 04 06 08 10 12 14

= GeoGebra

fry =2/3+x0.225

A = (0, 0.3)

B = (0.075, 0.324)

C = (0.15, 0.35)

D = (0.225, 0.379)

E = (0.3, 0.413)