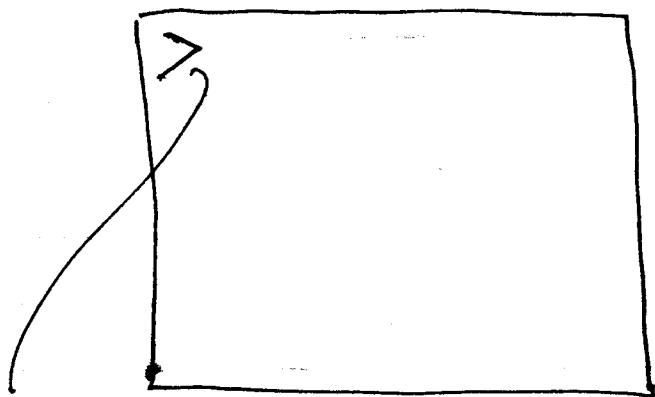


Direction Field Plot in MAPLE

17

MAPLE is an interactive computer algebra system for doing mathematics.

When you start a MAPLE session a window should appear:



MAPLE prompt is ">".

Commands are entered to the right of the prompt and terminated with a colon or semi-colon.

> diff(y(x), x);

$$\frac{d}{dx} y(x)$$

> diff(sin(x² + 3*x), x);

$$(2x + 3) \cos(x^2 + 3x)$$

> with(DEtools);

> DEplot(diff(y(x), x) = x² + y(x)², y(x),
x = -1..1, y = -1..1);