



```
\usepackage{pstricks,pst-plot,multido}
```

```
\makeatletter
```

```
\def\psDot{\pst@object{psDot}}
```

```
\def\psDot@i(#1,#2){%
```

```
\begin@SpecialObj%
```

```
\pst@getcoor{#1,#2}%
```

```
\addto@pscode{
```

```
  #2 dup mul 2 add % y^2+3
```

```
  #2 #1 dup mul mul % y*x^2
```

```
  lt {
```

```
    \psk@dotsize
```

```
    \@nameuse{psds@\psk@dotstyle}%
```

```
    \pst@coor Dot
```

```
  } if }%
```

```
\end@SpecialObj}
```

```
\makeatother
```

```
\begin{document}
```

```

\begin{pspicture}[showgrid=true](-5,0)(5,10)
  \multido{\rx=-5.0+0.25}{41}{%
    \multido{\ry=0.0+0.25}{41}{\psDot[linecolor=red](\rx,\ry)}}
  \psaxes[ticks=none,labels=none,arrows=->](0,0)(-5,0)(5,10)
  \rput*(0,8){\Large$y^2+3y\cdot x^2$}
\end{pspicture}

```