

```

[scale=2] [thick,-latex] (-3,0) -- (4,0) node[right] $x_1$ ; [thick,-latex] (0,-2) -- (0,2) node[above] $x_2$ ; in -2,...,3 [inner sep=0]
[circle,scale=.5,label=[above] $x \cdot \nu = 0$ ] at (.5,.5); [circle,scale=.5,label=[above] $x \cdot \nu = \theta$ ] at (.5,0); [circle,scale=.5,label=[above] $x \cdot \nu = 1$ ] at (.5,-.5);
[dotted,shorten <= 8mm] (-1.65,1.65) -- (-.35,.35); [dotted,shorten <= 8mm] (-.35,.35) -- (.35,-.35); [dotted,shorten <= 8mm] (.35,-.35) -- (1.65,-1.65);
[dotted,shorten <= 6mm] (0,0) -- (2,.2); [dotted,shorten <= 6mm] (.2,0) -- (0,2);
[very thick,-latex] (.35,-.35) -- (.75,-.75) node[midway,below,scale=.9] $\nu$ ;

```