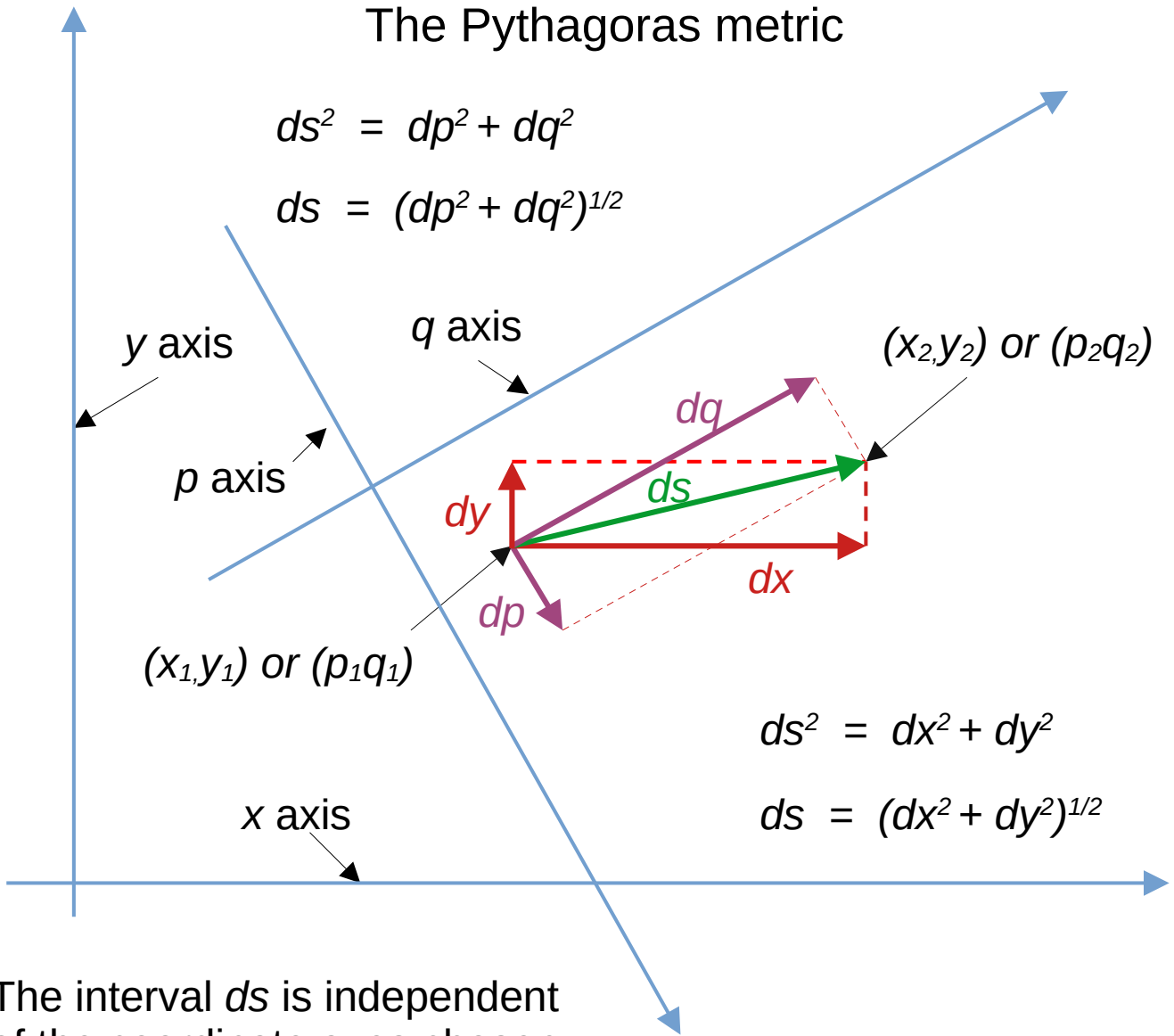


The Pythagoras metric

$$ds^2 = dp^2 + dq^2$$

$$ds = (dp^2 + dq^2)^{1/2}$$



The interval ds is independent of the coordinate axes chosen

The infinitesimal intervals ds define an infinite flat plane

