

17.  $(xz + yz) p + (xz - yz) q = x^2 + y^2$
18.  $x(x + y) p = y(x + y) q - (x - y)(2x + 2y + z)$
19.  $p - q = \log(x + y)$
20.  $p - 2q = 2x - e^y + 1$
21.  $\left(\frac{y - z}{yz}\right) p + \left(\frac{z - x}{zx}\right) q = \frac{x - y}{xy}$
22.  $xq = yp + x e^{(x^2 + y^2)}$
23.  $(x^2 - yz) p + (y^2 - zx) q = z^2 - xy$
24.  $(x^2 - y^2 - z^2) p + 2xyq = 2xz$
25. Find the most general solution of the equation  
 $(z - y) p + (x - z) q = y - x$   
 representing spheres. What property has these spheres in common ?