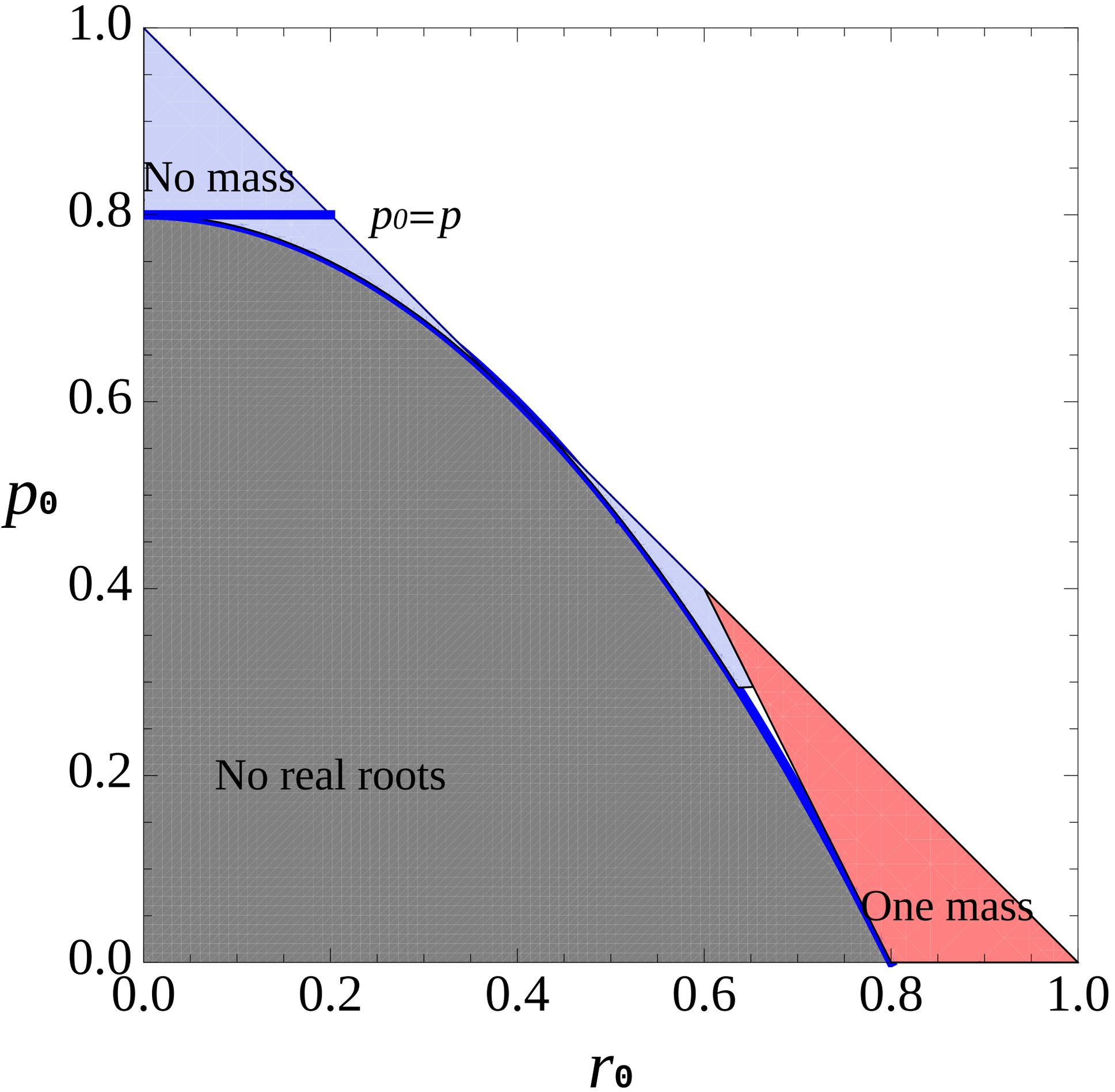
No mass
$p_0=p$
No real roots
One mass
p_0
r_0
0.0
0.2
0.4
0.6
0.8
1.0