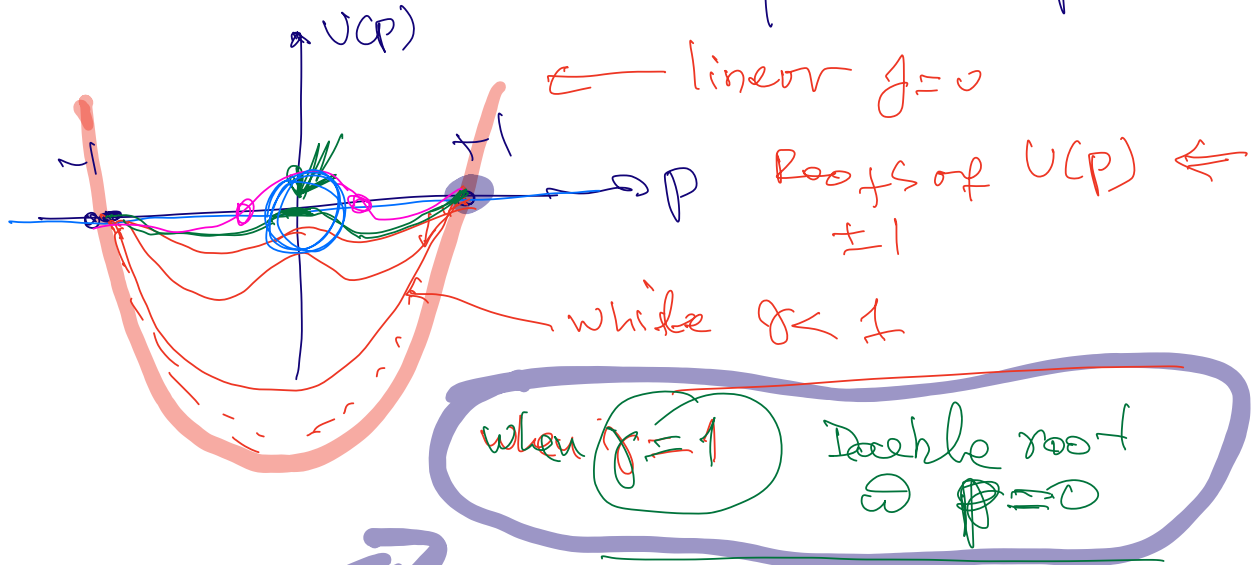
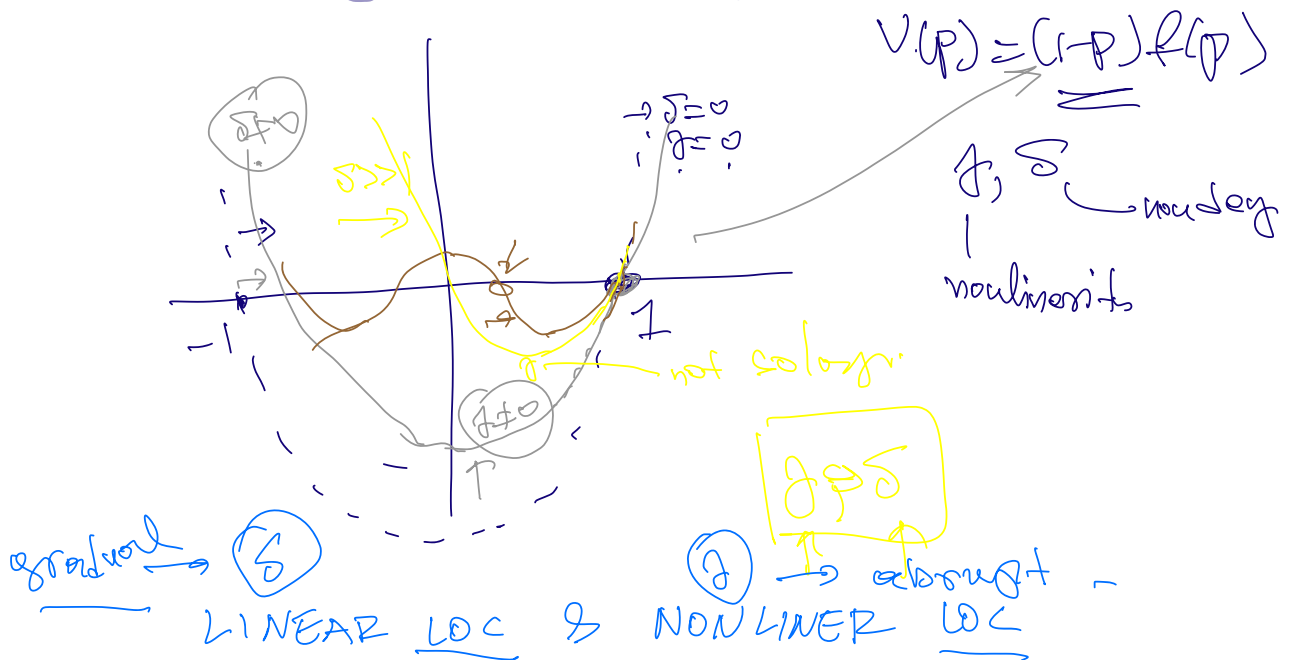


Degenerate dimer: ^{effective} motion of particle in a quartic potential



when $g > 1$ Two additional roots (not double) for $V(p)$.

Non deg - dimer



$$U(P) = (1-\delta) f(P)$$

When do I develop or double root?
↓

Self trapping in nodes - nodal lines

When or double root is developed

