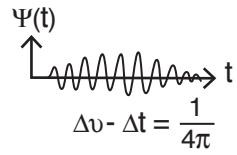
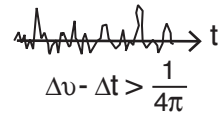


A "pure" tone:

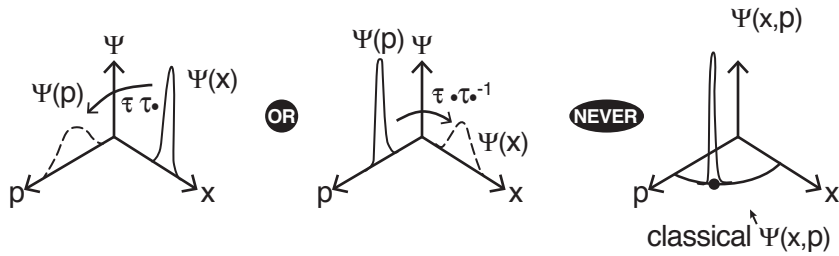


Noise of long duration



(has many frequencies and takes a long time!)

In quantum mechanics...



...you can either describe the  $e^-$  position...

...or its momentum...

...but they are never simultaneous variables!