

Féll, fölnad, í. fadm. jardar.
Fagurt, Æsku-blóm.

JOHANNA, MARIA, THORDARDOTTIR.

Sem. út er, sprúngid. 11. Decembr. Mðcccxxv.

En. aptur. visnad. xii. Júlíi. Mðcccxxvii.

Vid, uppkomu. Sólar.
Sveitt, af, nætur-dögg.
Blöd, útbreiddi, sín,
Blómfögur. Rós.
Leyptradi'. út, litum.
Lauf-búinn, krans.
Unun, gaf, auga.
Ylmun, nösum.

Hvarfladi, Þángad, ad.
— Hvadan, vissi, ej. —
Olifjun, Þrúngin.
Eitur - padda.
Stakk, banvænum, broddi.
I. badm. Rósar.
Var. HúN. visnud. burt.
Vart, á, dagmálum.

*Sala Dóttir! sorgar þángann trega
Sendir hvarf þitt Foreldra í barm;
En vid þekkjum alla Drottins vega
„Elsku og náð“, sá þánki deyfir harm,
Engil-hrein þú ert af heimi lidin,
Engil-blíð í heimi jafnan varst,
Endalausann Engla fékkstu fridinn,
Frá til hans í úngu hjarta barst,
Leidir Gud oss lok vid mádu-tíða,
Loksins þángad hvert þú undan gekkt;
Þogóð viljum þeirrar stundar blíða,
Þó þinn Missir hjartad sari frekt.*

Saknadi Dóttur setti syrgjandi Faðir
TH. SVEINBJÖRNSEN.

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYSICS 309

LECTURE 10

1. The wave function $\psi(x)$ is a complex-valued function of position x . It is normalized so that the total probability of finding the particle somewhere is 1. The probability density is $|\psi(x)|^2$.

2. The expectation value of an observable A is given by $\langle A \rangle = \int \psi^* A \psi dx$. For the position operator x , $\langle x \rangle = \int x |\psi(x)|^2 dx$.

3. The uncertainty principle states that $\Delta x \Delta p \geq \frac{\hbar}{2}$.

4. The wave function of a free particle is a plane wave $e^{i(kx - \omega t)}$.

5. The wave function of a particle in a potential well is a standing wave.

6. The wave function of a particle in a potential barrier is a combination of incident and reflected waves.

7. The wave function of a particle in a potential well is a combination of incident and reflected waves.

8. The wave function of a particle in a potential well is a combination of incident and reflected waves.

9. The wave function of a particle in a potential well is a combination of incident and reflected waves.

10. The wave function of a particle in a potential well is a combination of incident and reflected waves.