Eq. 1 has statement index 3121513111

$$k = \frac{2\pi}{\lambda} \tag{1}$$

Eq. 2 has statement index 5900595848

$$k = \frac{\omega}{v} \tag{2}$$

Eq. 3 has statement index 1293923844

$$\lambda = v\ T \tag{3}$$

Eq. 4 has statement index 0404050504

$$\lambda = \frac{v}{f} \tag{4}$$

Eq. 5 has statement index 0934990943

$$k = \frac{2\pi}{v\ T} \tag{5}$$

Eq. 6 has statement index 3131211131

$$\omega = 2\pi f \tag{6}$$

Eq. 7 has statement index 3131111133

$$T = 1/f \tag{7}$$

Eq. 8 has statement index 2131616531

$$T\ f = 1 \tag{8}$$

Eq. 9 has statement index 2113211456

$$f = 1/T \tag{9}$$

Eq. 10 has statement index 3132131132

$$\omega = \frac{2\pi}{T} \tag{10}$$

Eq. 11 has statement index 2569154141

$$\vec{\nabla} \times \frac{\partial}{\partial t}\vec{H} = \epsilon_0 \frac{\partial^2}{\partial t^2}\vec{E} \tag{11}$$

Eq. 12 has statement index 1314864131

$$\vec{\nabla} \times \vec{H} = \epsilon_0 \frac{\partial}{\partial t}\vec{E} \tag{12}$$

Eq. 13 has statement index 9492920340

$$y = \cos(x) + i \sin(x) \tag{13}$$

Eq. 14 has statement index 9429829482

$$\frac{d}{dx} y = -\sin(x) + i \cos(x) \tag{14}$$

Eq. 15 has statement index 9482984922

$$\frac{d}{dx} y = (i \sin(x) + \cos(x))\ i \tag{15}$$

Eq. 16 has statement index 9848294829

$$\frac{d}{dx} y = y\ i \tag{16}$$

Eq. 17 has statement index 9848292229

$$dy = y\ i\ dx \tag{17}$$

Eq. 18 has statement index 9482113948

$$\frac{dy}{y} = i\ dx \tag{18}$$

Eq. 19 has statement index 9482943948

$$\log(y) = i\ dx \tag{19}$$

Eq. 20 has statement index 4928239482

$$\log(y) = i\ x \tag{20}$$

Eq. 21 has statement index 4923339482

$$i\ x = \log(y) \tag{21}$$

Eq. 22 has statement index 9482923849

$$\exp(i\ x) = y \tag{22}$$

Eq. 23 has statement index 4938429483

$$\exp(i\ x) = \cos(x) + i \sin(x) \tag{23}$$

Eq. 24 has statement index 4838429483

$$\exp(2i\ x) = \cos(2x) + i \sin(2x) \tag{24}$$

Eq. 25 has statement index 4638429483

$$\exp(2i\ x) = (\cos(x) + i\sin(x))(\cos(x) + i\sin(x)) \tag{25}$$

Eq. 26 has statement index 4598294821

$$\exp(2i\ x) = (\cos(x))^2 + 2i\cos(x)\sin(x) - (\sin(x))^2 \tag{26}$$

Eq. 27 has statement index 9483928192

$$\cos(2x) + i\sin(2x) = (\cos(x))^2 + 2i\cos(x)\sin(x) - (\sin(x))^2 \tag{27}$$

Eq. 28 has statement index 4858429483

$$\exp(i\ x)\exp(i\ x) = (\cos(x) + i\sin(x))(\cos(x) + i\sin(x)) \tag{28}$$

Eq. 29 has statement index 4954839242

$$\cos(2x) + i\sin(2x) = (\cos(x) + i\sin(x))(\cos(x) + i\sin(x)) \tag{29}$$

Eq. 30 has statement index 9482928242

$$\cos(2x) = (\cos(x))^2 - (\sin(x))^2 \tag{30}$$

Eq. 31 has statement index 9482928243

$$\cos(2x) + (\sin(x))^2 = (\cos(x))^2 \tag{31}$$

Eq. 32 has statement index 9482438243

$$(\cos(x))^2 = \cos(2x) + (\sin(x))^2 \tag{32}$$

Eq. 33 has statement index 5832984291

$$(\sin(x))^2 + (\cos(x))^2 = 1 \tag{33}$$

Eq. 34 has statement index 3285732911

$$(\cos(x))^2 = 1 - (\sin(x))^2 \tag{34}$$

Eq. 35 has statement index 4827492911

$$\cos(2x) + (\sin(x))^2 = 1 - (\sin(x))^2 \tag{35}$$

Eq. 36 has statement index 1248277773

$$\cos(2x) = 1 - 2(\sin(x))^2 \tag{36}$$

Eq. 37 has statement index 7572664728

$$\cos(2x) + 2(\sin(x))^2 = 1 \tag{37}$$

Eq. 38 has statement index 9889984281

$$2(\sin(x))^2 = 1 - \cos(2x) \tag{38}$$

Eq. 39 has statement index 9988949211

$$(\sin(x))^2 = \frac{1 - \cos(2x)}{2} \tag{39}$$

Eq. 40 has statement index 4978429483

$$\exp(-i\ x) = \cos(-x) + i\sin(-x) \tag{40}$$

Eq. 41 has statement index 4929218492

$$a + b = c \tag{41}$$

Eq. 42 has statement index 4929482992

$$b = 2 \tag{42}$$

Eq. 43 has statement index 4984892984

$$a + 2 = c \tag{43}$$

Eq. 44 has statement index 2948293829

$$a = b \tag{44}$$

Eq. 45 has statement index 9482948292

$$b = c \tag{45}$$

Eq. 46 has statement index 4828238421

$$a = c \tag{46}$$

Eq. 47 has statement index 9829420421

$$b = a \tag{47}$$

Eq. 48 has statement index 9999999965

$$E = \omega\hbar \tag{48}$$

Eq. 49 has statement index 9999999964

$$\omega = ck \tag{49}$$

Eq. 50 has statement index 9999999963

$$\lambda = h/p \tag{50}$$

Eq. 51 has statement index 9999999962

$$p = \hbar k \tag{51}$$

Eq. 52 has statement index 9999999960

$$\hbar = h/(2\pi) \tag{52}$$

Eq. 53 has statement index 9999999957

$$\vec{F} = -\vec{\nabla} V \tag{53}$$

Eq. 54 has statement index 9999999956

$$\vec{F} = \frac{\partial}{\partial t}\vec{p} \tag{54}$$

Eq. 55 has statement index 9999999955

$$\vec{E} = -\vec{\nabla}\Psi \tag{55}$$

Eq. 56 has statement index 9999999954

$$c = 1/\sqrt{\epsilon_0 \mu_0} \tag{56}$$

Eq. 57 has statement index 9999999953

$$\int_{-\infty}^{\infty} \delta(x)\ dx = 1 \tag{57}$$

Eq. 58 has statement index 9999999952

$$f(x)\delta(x-a) = f(a) \tag{58}$$

Eq. 59 has statement index 9999999951

$$\langle x|k\rangle = \frac{\exp(ikx)}{\sqrt{2\pi}} \tag{59}$$

Eq. 60 has statement index 9999999950

$$\beta = 1/(k_{Boltzmann}T) \tag{60}$$

Eq. 61 has statement index 9999999999

$$Newton = kilogram * meter/(second^2) \tag{61}$$

Eq. 62 has statement index 9999999998

$$Joule = Newton * meter \tag{62}$$

Eq. 63 has statement index 9999999997

$$Watt = Joule/second \tag{63}$$

Eq. 64 has statement index 9999999996

$$Coulomb = Ampere/second \tag{64}$$

Eq. 65 has statement index 9999999995

$$Volt = Joule/Coulumb \tag{65}$$

Eq. 66 has statement index 9999999993

$$Farad = Coulumb/Volt \tag{66}$$

Eq. 67 has statement index 9999999992

$$Tesla = Newton/(Ampere * meter) \tag{67}$$

Eq. 68 has statement index 9999999991

$$Pascal = Newton/(meter^2) \tag{68}$$

Eq. 69 has statement index 9999999990

$$Tesla = 10000 * Gauss \tag{69}$$

Eq. 70 has statement index 9999999989

$$mass_{electron} = 511000 electronVolts/(q^2) \tag{70}$$

Eq. 71 has statement index 9999999988

$$1 atmosphere = 14.7 pounds/(inch^2) \tag{71}$$

Eq. 72 has statement index 9999999987

$$1 atmosphere = 101.325 Pascal \tag{72}$$

Eq. 73 has statement index 9999999986

$$\left[\begin{array}{cc} \cos\theta & amp;\sin\theta \\ -\sin\theta & amp;\cos\theta \end{array} \right] \left[\begin{array}{c} A_x \\ A_y \end{array} \right] = \left[\begin{array}{c} A_{x'} \\ A_{y'} \end{array} \right] \tag{73}$$

Eq. 74 has statement index 9999999985

$$V = IR \tag{74}$$

Eq. 75 has statement index 9999999984

$$Q = CV \tag{75}$$

Eq. 76 has statement index 9999999983

$$C = VA/d \tag{76}$$

Eq. 77 has statement index 9999999982

$$V = IR + Q/C + L\frac{\partial I}{\partial t} \tag{77}$$

Eq. 78 has statement index 9999999981

$$\vec{\nabla} \cdot \vec{E} = \rho/\epsilon_0 \tag{78}$$

Eq. 79 has statement index 9919999981

$$\rho = 0 \tag{79}$$

Eq. 80 has statement index 9999999980

$$\vec{\nabla} \cdot \vec{B} = 0 \tag{80}$$

Eq. 81 has statement index 9999999979

$$\vec{\nabla} \times \vec{E} = -\frac{\partial \vec{B}}{\partial t} \tag{81}$$

Eq. 82 has statement index 9991999979

$$\vec{\nabla} \times \vec{E} = -\mu_0 \frac{\partial \vec{H}}{\partial t} \tag{82}$$

Eq. 83 has statement index 9999999978

$$\vec{\nabla} \times \vec{B} = \mu_0 \vec{J} + \mu_0 \epsilon_0 \frac{\partial E}{\partial t} \tag{83}$$

Eq. 84 has statement index 9999999977

$$[\hat{x}, \hat{p}] = i\hbar \tag{84}$$

Eq. 85 has statement index 9999999976

$$\hat{p} = -i\hbar \frac{\partial}{\partial x} \tag{85}$$

Eq. 86 has statement index 9999999974

$$\langle \psi | \hat{A} | \psi \rangle = \int_{-\infty}^{\infty} \psi^* A \psi \; dx \tag{86}$$

Eq. 87 has statement index 9999999973

$$(\Delta A)^2 = \langle A^2 \rangle - \langle A \rangle^2 \tag{87}$$

Eq. 88 has statement index 9999999972

$$\mathcal{H}|\psi\rangle = E|\psi\rangle \tag{88}$$

Eq. 89 has statement index 9999999971

$$\mathcal{H} = \frac{p^2}{2m} + V \tag{89}$$

Eq. 90 has statement index 9999999970

$$\eta_1 \sin\theta_1 = \eta_2 \sin\theta_2 \tag{90}$$

Eq. 91 has statement index 9999999967

$$\vec{S} = \frac{1}{\mu_0}\vec{E} \times \vec{B} \tag{91}$$

Eq. 92 has statement index 9999999966

$$\vec{L} = \vec{r} \times \vec{p} \tag{92}$$

Eq. 93 has statement index 9999999969

$$x = \frac{-b + \sqrt{b^2 - 4ac}}{2a} \tag{93}$$

Eq. 94 has statement index 9999999968

$$x = \frac{-b - \sqrt{b^2 - 4ac}}{2a} \tag{94}$$

Eq. 95 has statement index 8582954722

$$x^2 + 2xh + h^2 = (x + h)^2 \tag{95}$$

Eq. 96 has statement index 9285928292

$$ax^2 + bx + c = 0 \tag{96}$$

Eq. 97 has statement index 5958392859

$$x^2 + (b/a)x + (c/a) = 0 \tag{97}$$

Eq. 98 has statement index 5938459282

$$x^2 + (b/a)x = -c/a \tag{98}$$

Eq. 99 has statement index 5928292841

$$x^2 + (b/a)x + (b/(2a))^2 = -c/a + (b/(2a))^2 \tag{99}$$

Eq. 100 has statement index 5928285821

$$x^2 + 2x(b/(2a)) + (b/(2a))^2 = (x + (b/(2a)))^2 \tag{100}$$

Eq. 101 has statement index 5959282914

$$x^2 + x(b/a) + (b/(2a))^2 = (x + (b/(2a)))^2 \tag{101}$$

Eq. 102 has statement index 9385938295

$$(x + (b/(2a)))^2 = -(c/a) + (b/(2a))^2 \tag{102}$$

Eq. 103 has statement index 9582958294

$$x + (b/(2a)) = \sqrt{(b/(2a))^2 - (c/a)} \tag{103}$$

Eq. 104 has statement index 5982958249

$$x + (b/(2a)) = -\sqrt{(b/(2a))^2 - (c/a)} \tag{104}$$

Eq. 105 has statement index 9582958293

$$x = \sqrt{(b/(2a))^2 - (c/a)} - (b/(2a)) \tag{105}$$

Eq. 106 has statement index 5982958248

$$x = -\sqrt{(b/(2a))^2 - (c/a)} - (b/(2a)) \tag{106}$$

Eq. 107 has statement index 5727578862

$$\frac{d^2}{dx^2}\psi(x) = -k^2\psi(x) \tag{107}$$

Eq. 108 has statement index 8582885111

$$\psi(x) = a\sin(kx) + b\cos(kx) \tag{108}$$

Eq. 109 has statement index 9585727710

$$\psi(x) = 0 \text{ when } x = 0 \tag{109}$$

Eq. 110 has statement index 9495857278

$$\psi(x) = 0 \text{ when } x = W \tag{110}$$

Eq. 111 has statement index 8577275751

$$0 = a\sin(0) + b\cos(0) \tag{111}$$

Eq. 112 has statement index 1293913110

$$0 = b \tag{112}$$

Eq. 113 has statement index 9059289981

$$\psi(x) = a \sin(kx) \tag{113}$$

Eq. 114 has statement index 1020010291

$$0 = a \sin(kW) \tag{114}$$

Eq. 115 has statement index 1857710291

$$0 = a \sin(n\pi) \text{ when } n \in \text{Integer} \tag{115}$$

Eq. 116 has statement index 1010923823

$$kW = n\pi \text{ when } n \in \text{Integer} \tag{116}$$

Eq. 117 has statement index 1858772113

$$k = \frac{n\pi}{W} \text{ when } n \in \text{Integer} \tag{117}$$

Eq. 118 has statement index 2944838499

$$\psi(x) = a \sin(\frac{n\pi}{W}x) \text{ when } n \in \text{Integer} \tag{118}$$

Eq. 119 has statement index 8849289982

$$\psi(x)^* = a \sin(\frac{n\pi}{W}x) \text{ when } n \in \text{Integer} \tag{119}$$

Eq. 120 has statement index 1934748140

$$\int |\psi(x)|^2 \, dx = 1 \tag{120}$$

Eq. 121 has statement index 8572657110

$$1 = \int |\psi(x)|^2 \, dx \tag{121}$$

Eq. 122 has statement index 4857472413

$$1 = \int \psi(x)\psi(x)^* \, dx \tag{122}$$

Eq. 123 has statement index 0203024440

$$1 = \int_0^W a \sin(\frac{n\pi}{W}x)\psi(x)^* \, dx \text{ when } n \in \text{Integer} \tag{123}$$

Eq. 124 has statement index 8889444440

$$1 = \int_0^W a^2 \left(\sin\left(\frac{n\pi}{W}x\right)\right)^2 \, dx \text{ when } n \in \text{Integer} \tag{124}$$

Eq. 125 has statement index 7575738420

$$\left(\sin\left(\frac{n\pi}{W}x\right)\right)^2 = \frac{1-\cos\left(2\frac{n\pi}{W}x\right)}{2} \tag{125}$$

Eq. 126 has statement index 8576785890

$$1 = \int_0^W a^2 \frac{1-\cos\left(2\frac{n\pi}{W}x\right)}{2}\ dx \text{ when } n \in \text{Integer} \tag{126}$$

Eq. 127 has statement index 9858028950

$$\frac{1}{a^2} = \int_0^W \frac{1-\cos\left(2\frac{n\pi}{W}x\right)}{2}\ dx \text{ when } n \in \text{Integer} \tag{127}$$

Eq. 128 has statement index 1202310110

$$\frac{1}{a^2} = \int_0^W \frac{1}{2}\ dx - \frac{1}{2}\int_0^W \cos\left(2\frac{n\pi}{W}x\right)\ dx \text{ when } n \in \text{Integer} \tag{128}$$

Eq. 129 has statement index 0948572140

$$\int \cos(ax)\ dx = \frac{1}{a}\sin(ax) \tag{129}$$

Eq. 130 has statement index 7564894985

$$\int \cos\left(\frac{2n\pi}{W}x\right)\ dx = \frac{W}{2n\pi}\sin\left(\frac{2n\pi}{W}x\right) \tag{130}$$

Eq. 131 has statement index 5857434758

$$\int a\ dx = ax \tag{131}$$

Eq. 132 has statement index 8575746378

$$\int \frac{1}{2}\ dx = \frac{1}{2}x \tag{132}$$

Eq. 133 has statement index 1202312210

$$\frac{1}{a^2} = \frac{1}{2}W - \frac{1}{2}\int_0^W \cos\left(2\frac{n\pi}{W}x\right)\ dx \text{ when } n \in \text{Integer} \tag{133}$$

Eq. 134 has statement index 0439492440

$$\frac{1}{a^2} = \frac{1}{2}W - \frac{1}{2}\ \frac{W}{2n\pi}\sin\left(\frac{2n\pi}{W}x\right)\Big|_0^W whenn \in \text{Integer} \tag{134}$$

Eq. 135 has statement index 4857475848

$$\frac{1}{a^2} = \frac{W}{2} \tag{135}$$

Eq. 136 has statement index 8485867742

$$\frac{2}{W} = a^2 \tag{136}$$

Eq. 137 has statement index 9485747245

$$\sqrt{\frac{2}{W}} = a \tag{137}$$

Eq. 138 has statement index 9485747246

$$-\sqrt{\frac{2}{W}} = a \tag{138}$$

Eq. 139 has statement index 9393939992

$$\psi(x) = \sqrt{\frac{2}{W}} \sin\left(\frac{n\pi}{W}x\right) \text{ when } n \in \text{Integer} \tag{139}$$

Eq. 140 has statement index 9393939991

$$\psi(x) = -\sqrt{\frac{2}{W}} \sin\left(\frac{n\pi}{W}x\right) \text{ when } n \in \text{Integer} \tag{140}$$

Eq. 141 has statement index 8575748999

$$\frac{d^2}{dx^2}\left(a\sin(kx) + b\cos(kx)\right) = -k^2\left(a\sin(kx) + b\cos(kx)\right) \tag{141}$$

Eq. 142 has statement index 8485757728

$$a\frac{d^2}{dx^2}\sin(kx) + b\frac{d^2}{dx^2}\cos(kx) = -ak^2\sin(kx) + -bk^2\cos(kx) \tag{142}$$

Eq. 143 has statement index 8484544728

$$-ak^2\sin(kx) + -bk^2\cos(kx) = -ak^2\sin(kx) + -bk^2\cos(kx) \tag{143}$$

Eq. 144 has statement index 1314464131

$$\vec{\nabla} \times \frac{\partial \vec{H}}{\partial t} = \epsilon_0 \frac{\partial^2 \vec{E}}{\partial t^2} \tag{144}$$

Eq. 145 has statement index 9291999979

$$\vec{\nabla} \times \vec{\nabla} \times \vec{E} = -\mu_0 \vec{\nabla} \times \frac{\partial \vec{H}}{\partial t} \tag{145}$$

Eq. 146 has statement index 3947269979

$$\vec{\nabla} \times \vec{\nabla} \times \vec{E} = -\mu_0 \epsilon_0 \frac{\partial^2 \vec{E}}{\partial t^2} \tag{146}$$

Eq. 147 has statement index 7466829492

$$\vec{\nabla} \cdot \vec{E} = 0 \tag{147}$$

Eq. 148 has statement index 7575859295

$$\vec{\nabla} \times \vec{\nabla} \times \vec{E} = \vec{\nabla}(\vec{\nabla} \cdot \vec{E} - \nabla^2 \vec{E}) \tag{148}$$

Eq. 149 has statement index 1636453295

$$\vec{\nabla} \times \vec{\nabla} \times \vec{E} = -\nabla^2 \vec{E} \tag{149}$$

Eq. 150 has statement index 8494839423

$$\nabla^2 \vec{E} = \mu_0 \epsilon_0 \frac{\partial^2 \vec{E}}{\partial t^2} \tag{150}$$

Eq. 151 has statement index 8572852424

$$\vec{E} = E(\vec{r}, t) \tag{151}$$

Eq. 152 has statement index 9499428242

$$E(\vec{r}, t) = E(\vec{r}) \exp(i\omega t) \tag{152}$$

Eq. 153 has statement index 9394939493

$$\nabla^2 E(\vec{r}, t) = \mu_0 \epsilon_0 \frac{\partial^2}{\partial t^2} E(\vec{r}, t) \tag{153}$$

Eq. 154 has statement index 2029293929

$$\nabla^2 E(\vec{r}) \exp(i\omega t) = \mu_0 \epsilon_0 \frac{\partial^2}{\partial t^2} E(\vec{r}) \exp(i\omega t) \tag{154}$$

Eq. 155 has statement index 4985825552

$$\nabla^2 E(\vec{r}) \exp(i\omega t) = i\omega \mu_0 \epsilon_0 \frac{\partial}{\partial t} E(\vec{r}) \exp(i\omega t) \tag{155}$$

Eq. 156 has statement index 1858578388

$$\nabla^2 E(\vec{r}) \exp(i\omega t) = -\omega^2 \mu_0 \epsilon_0 E(\vec{r}) \exp(i\omega t) \tag{156}$$

Eq. 157 has statement index 4585828572

$$\epsilon_0 \mu_0 = \frac{1}{c^2} \tag{157}$$

Eq. 158 has statement index 9485384858

$$\nabla^2 E(\vec{r}) \exp(i\omega t) = -\frac{\omega^2}{c^2} E(\vec{r}) \exp(i\omega t) \tag{158}$$

Eq. 159 has statement index 3485475729

$$\nabla^2 E(\vec{r}) = -\frac{\omega^2}{c^2} E(\vec{r}) \tag{159}$$

Eq. 160 has statement index 2394853829

$$\exp(-i\ x) = \cos(-x) + i \sin(-x) \tag{160}$$

Eq. 161 has statement index 4938429482

$$\exp(-i\ x) = \cos(x) + i \sin(-x) \tag{161}$$

Eq. 162 has statement index 4938429484

$$\exp(-i\ x) = \cos(x) - i \sin(x) \tag{162}$$

Eq. 163 has statement index 4742644828

$$\exp(i\ x) + \exp(-i\ x) = 2 \cos(x) \tag{163}$$

Eq. 164 has statement index 3829492824

$$\frac{1}{2} \left(\exp(i\ x) + \exp(-i\ x)\right) = \cos(x) \tag{164}$$

Eq. 165 has statement index 4585932229

$$\cos(x) = \frac{1}{2} \left(\exp(i\ x) + \exp(-i\ x)\right) \tag{165}$$

Eq. 166 has statement index 2123139121

$$-\exp(-i\ x) = -\cos(x) + i \sin(x) \tag{166}$$

Eq. 167 has statement index 3942849294

$$\exp(i\ x) - \exp(-i\ x) = 2i \sin(x) \tag{167}$$

Eq. 168 has statement index 4843995999

$$\frac{1}{2i} \left(\exp(i\ x) - \exp(-i\ x)\right) = \sin(x) \tag{168}$$

Eq. 169 has statement index 2103023049

$$\sin(x) = \frac{1}{2i} \left(\exp(i\ x) - \exp(-i\ x)\right) \tag{169}$$

Eq. 170 has statement index 8489593958

$$d(u\ v) = u\ dv + v\ du \tag{170}$$

Eq. 171 has statement index 8489593960

$$d(u\ v) - v\ du = u\ dv \tag{171}$$

Eq. 172 has statement index 8489593962

$$u\ dv = d(u\ v) - v\ du \tag{172}$$

Eq. 173 has statement index 8489593964

$$\int u\ dv = u\ v - \int v\ du \tag{173}$$

Eq. 174 has statement index 7575859300

$$\epsilon^{i,j,k}\hat{x}_i\nabla_j(\vec{\nabla}\times\vec{E})_k = \vec{\nabla}(\vec{\nabla}\cdot\vec{E} - \nabla^2\vec{E}) \tag{174}$$

Eq. 175 has statement index 7575859302

$$\epsilon^{i,j,k}\epsilon_{n,j,k}\hat{x}_i\nabla_j\nabla^m E^n = \vec{\nabla}(\vec{\nabla}\cdot\vec{E} - \nabla^2\vec{E}) \tag{175}$$

Eq. 176 has statement index 7575859304

$$\epsilon^{i,j,k}\epsilon_{n,j,k} = \delta^l{}_j\delta^m{}_k - \delta^l{}_k\delta^m{}_h \tag{176}$$

Eq. 177 has statement index 7575859306

$$\left(\delta^l{}_j\delta^m{}_k - \delta^l{}_k\delta^m{}_h\right)\hat{x}_i\nabla_j\nabla^m E^n = \vec{\nabla}(\vec{\nabla}\cdot\vec{E} - \nabla^2\vec{E}) \tag{177}$$

Eq. 178 has statement index 7575859308

$$\left(\delta^l{}_j\delta^m{}_k\hat{x}_i\nabla_j\nabla^m E^n\right) - \left(\delta^l{}_k\delta^m{}_h\hat{x}_i\nabla_j\nabla^m E^n\right) = \vec{\nabla}(\vec{\nabla}\cdot\vec{E} - \nabla^2\vec{E}) \tag{178}$$

Eq. 179 has statement index 7575859310

$$\hat{x}_m\nabla_n\nabla^m E^n - \hat{x}_n\nabla_m\nabla^m E^n = \vec{\nabla}(\vec{\nabla}\cdot\vec{E} - \nabla^2\vec{E}) \tag{179}$$

Eq. 180 has statement index 7575859312

$$\vec{\nabla}(\vec{\nabla}\cdot\vec{E} - \nabla^2\vec{E} = \vec{\nabla}(\vec{\nabla}\cdot\vec{E} - \nabla^2\vec{E}) \tag{180}$$

Eq. 181 has statement index 1020394900

$$p = h/\lambda \tag{181}$$

Eq. 182 has statement index 1020394902

$$E = hf \tag{182}$$

Eq. 183 has statement index 3147472131

$$\frac{\omega}{2\pi} = f \tag{183}$$

Eq. 184 has statement index 4147472132

$$E = \frac{h\omega}{2\pi} \tag{184}$$

Eq. 185 has statement index 1029039903

$$p = mv \tag{185}$$

Eq. 186 has statement index 9999999961

$$\frac{E}{\hbar} = \omega \tag{186}$$

Eq. 187 has statement index 3121234211

$$\frac{k}{2\pi} = \lambda \tag{187}$$

Eq. 188 has statement index 3121234212

$$p = \frac{hk}{2\pi} \tag{188}$$

Eq. 189 has statement index 9999999870

$$\frac{p}{\hbar} = k \tag{189}$$

Eq. 190 has statement index 9999998870

$$\frac{\vec{p}}{\hbar} = \vec{k} \tag{190}$$

Eq. 191 has statement index 3948574224

$$\psi(\vec{r}, t) = \psi_0 \exp\left(i\left(\vec{k} \cdot \vec{r} - \omega t\right)\right) \tag{191}$$

Eq. 192 has statement index 3948574226

$$\psi(\vec{r}, t) = \psi_0 \exp\left(i\left(\frac{\vec{p} \cdot \vec{r}}{\hbar} - \omega t\right)\right) \tag{192}$$

Eq. 193 has statement index 3948574228

$$\psi(\vec{r}, t) = \psi_0 \exp\left(i\left(\frac{\vec{p} \cdot \vec{r}}{\hbar} - \frac{Et}{\hbar}\right)\right) \tag{193}$$

Eq. 194 has statement index 3948574230

$$\psi(\vec{r},t) = \psi_0 \exp\left(\frac{i}{\hbar}\left(\vec{p}\cdot\vec{r} - Et\right)\right) \tag{194}$$

Eq. 195 has statement index 4298359835

$$E = \frac{1}{2}mv^2 \tag{195}$$

Eq. 196 has statement index 4298359845

$$E = \frac{1}{2m}m^2v^2 \tag{196}$$

Eq. 197 has statement index 4298359851

$$E = \frac{p^2}{2m} \tag{197}$$

Eq. 198 has statement index 1029039904

$$p^2 = m^2v^2 \tag{198}$$

Eq. 199 has statement index 3948574233

$$\frac{\partial}{\partial t}\psi(\vec{r},t) = \psi_0\frac{\partial}{\partial t}\exp\left(i\left(\frac{\vec{p}\cdot\vec{r}}{\hbar} - \frac{Et}{\hbar}\right)\right) \tag{199}$$

Eq. 200 has statement index 3948574235

$$\frac{\partial}{\partial t}\psi(\vec{r},t) = \frac{-i}{\hbar}E\psi_0\exp\left(i\left(\frac{\vec{p}\cdot\vec{r}}{\hbar} - \frac{Et}{\hbar}\right)\right) \tag{200}$$

Eq. 201 has statement index 3948571256

$$\frac{\partial}{\partial t}\psi(\vec{r},t) = \frac{-i}{\hbar}E\psi(\vec{r},t) \tag{201}$$

Eq. 202 has statement index 4348571256

$$\frac{\partial}{\partial t}\psi(\vec{r},t) = \frac{-i}{\hbar}\frac{p^2}{2m}\psi(\vec{r},t) \tag{202}$$

Eq. 203 has statement index 4341171256

$$i\hbar\frac{\partial}{\partial t}\psi(\vec{r},t) = \frac{p^2}{2m}\psi(\vec{r},t) \tag{203}$$

Eq. 204 has statement index 3948572230

$$\vec{\nabla}\psi(\vec{r},t) = \psi_0\vec{\nabla}\exp\left(\frac{i}{\hbar}\left(\vec{p}\cdot\vec{r} - Et\right)\right) \tag{204}$$

Eq. 205 has statement index 4943571230

$$\vec{\nabla}\psi(\vec{r},t) = \frac{i}{\hbar}\vec{p}\psi_0 \exp\left(\frac{i}{\hbar}\left(\vec{p}\cdot\vec{r} - Et\right)\right) \tag{205}$$

Eq. 206 has statement index 5985371230

$$\vec{\nabla}\psi(\vec{r},t) = \frac{i}{\hbar}\vec{p}\psi(\vec{r},t) \tag{206}$$

Eq. 207 has statement index 4394958389

$$\vec{\nabla}\cdot\left(\vec{\nabla}\psi(\vec{r},t)\right) = \frac{i}{\hbar}\vec{\nabla}\cdot\left(\vec{p}\psi(\vec{r},t)\right) \tag{207}$$

Eq. 208 has statement index 1648958381

$$\nabla^2\psi\left(\vec{r},t\right)) = \frac{i}{\hbar}\vec{p}\cdot\left(\vec{\nabla}\psi(\vec{r},t)\right) \tag{208}$$

Eq. 209 has statement index 2648958382

$$\nabla^2\psi\left(\vec{r},t\right)) = \frac{i}{\hbar}\vec{p}\cdot\left(\frac{i}{\hbar}\vec{p}\psi(\vec{r},t)\right) \tag{209}$$

Eq. 210 has statement index 2395958385

$$\nabla^2\psi\left(\vec{r},t\right)) = \frac{-p^2}{\hbar}\psi(\vec{r},t) \tag{210}$$

Eq. 211 has statement index 5868688585

$$\frac{-\hbar^2}{2m}\nabla^2\psi\left(\vec{r},t\right)) = \frac{p^2}{2m}\psi(\vec{r},t) \tag{211}$$

Eq. 212 has statement index 9958485859

$$\frac{-\hbar^2}{2m}\nabla^2\psi\left(\vec{r},t\right)) = i\hbar\frac{\partial}{\partial t}\psi(\vec{r},t) \tag{212}$$

Eq. 213 has statement index 1158485859

$$\frac{-\hbar^2}{2m}\nabla^2 = \mathcal{H} \tag{213}$$

Eq. 214 has statement index 2258485859

$$\mathcal{H}\psi\left(\vec{r},t\right)) = i\hbar\frac{\partial}{\partial t}\psi(\vec{r},t) \tag{214}$$

Eq. 215 has statement index 9596004948

$$x = \langle\psi_\alpha|\hat{A}|\psi_\beta\rangle \tag{215}$$

Eq. 216 has statement index 1010393944

$$x = \langle\psi_\alpha|a_\beta|\psi_\beta\rangle \tag{216}$$

Eq. 217 has statement index 1395858355

$$x = \langle\psi_\alpha|a_\alpha|\psi_\beta\rangle \tag{217}$$

Eq. 218 has statement index 2394240499

$$x = a_\beta\langle\psi_\alpha|\psi_\beta\rangle \tag{218}$$

Eq. 219 has statement index 3943939590

$$x = a_\alpha\langle\psi_\alpha|\psi_\beta\rangle \tag{219}$$

Eq. 220 has statement index 1203938249

$$a_\beta\langle\psi_\alpha|\psi_\beta\rangle = a_\alpha\langle\psi_\alpha|\psi_\beta\rangle \tag{220}$$

Eq. 221 has statement index 3924948349

$$a_\beta\langle\psi_\alpha|\psi_\beta\rangle - a_\alpha\langle\psi_\alpha|\psi_\beta\rangle = 0 \tag{221}$$

Eq. 222 has statement index 2394935831

$$(a_\beta - a_\alpha)\langle\psi_\alpha|\psi_\beta\rangle = 0 \tag{222}$$

Eq. 223 has statement index 9999999975

$$\langle\psi|\hat{A}|\psi\rangle = \langle a\rangle \tag{223}$$

Eq. 224 has statement index 2394935835

$$\Big(\langle\psi|\hat{A}|\psi\rangle\Big)^+ = (\langle a\rangle)^+ \tag{224}$$

Eq. 225 has statement index 1010393913

$$\langle\psi|\hat{A}^+|\psi\rangle = \langle a\rangle^* \tag{225}$$

Eq. 226 has statement index 9294858532

$$\hat{A}^+ = \hat{A} \tag{226}$$

Eq. 227 has statement index 4948934890

$$\langle\psi|\hat{A}|\psi\rangle = \langle a\rangle^* \tag{227}$$

Eq. 228 has statement index 2848934890

$$\langle a\rangle^* = \langle a\rangle \tag{228}$$

Eq. 229 has statement index 3585845894

$$\langle (x - \langle x \rangle)^2 \rangle = \langle x^2 \rangle - \langle x \rangle^2 \tag{229}$$

Eq. 230 has statement index 8399484849

$$\langle x^2 - 2x\langle x \rangle + \langle x \rangle^2 \rangle = \langle x^2 \rangle - \langle x \rangle^2 \tag{230}$$

Eq. 231 has statement index 2404934990

$$\langle x^2 \rangle - 2\langle x \rangle \langle x \rangle + \langle x \rangle^2 = \langle x^2 \rangle - \langle x \rangle^2 \tag{231}$$

Eq. 232 has statement index 4949359835

$$\langle x^2 \rangle - 2\langle x^2 \rangle + \langle x \rangle^2 = \langle x^2 \rangle - \langle x \rangle^2 \tag{232}$$

Eq. 233 has statement index 2494533900

$$\langle x^2 \rangle - \langle x \rangle^2 = \langle x^2 \rangle - \langle x \rangle^2 \tag{233}$$

Eq. 234 has statement index 1638282134

$$\vec{p}_{before} = \vec{p}_{after} \tag{234}$$

Eq. 235 has statement index 8257621077

$$\vec{p}_{before} = \vec{p}_1 \tag{235}$$

Eq. 236 has statement index 8311458118

$$\vec{p}_{after} = \vec{p}_2 + \vec{p}_{electron} \tag{236}$$

Eq. 237 has statement index 3951205425

$$\vec{p}_{after} = \vec{p}_1 \tag{237}$$

Eq. 238 has statement index 8139187332

$$\vec{p}_1 = \vec{p}_2 + \vec{p}_{electron} \tag{238}$$

Eq. 239 has statement index 5530148480

$$\vec{p}_1 - \vec{p}_2 = \vec{p}_{electron} \tag{239}$$

Eq. 240 has statement index 7917051060

$$\vec{p}_{electron} = \vec{p}_1 - \vec{p}_2 \tag{240}$$

Eq. 241 has statement index 6742123016

$$\vec{p}_{electron} \cdot \vec{p}_{electron} = (\vec{p}_1 \cdot \vec{p}_1) + (\vec{p}_2 \cdot \vec{p}_2) - 2(\vec{p}_1 \cdot \vec{p}_2) \tag{241}$$