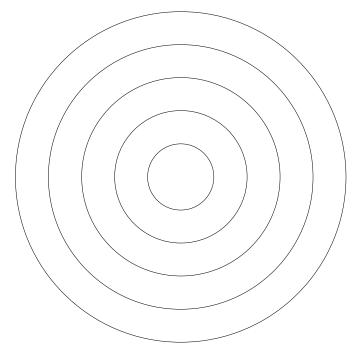
Eli — PS 5 — 2025-02-04

EIWL3 Sections 14 and 17

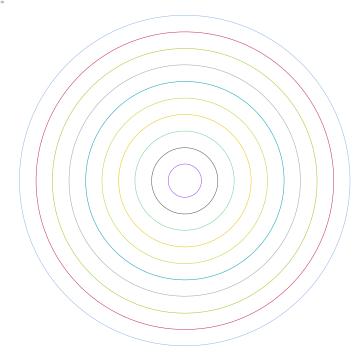
Chapter 14

In[320]:=
 Graphics[Table[Circle[{0, 0}, r], {r, 1, 5}]]

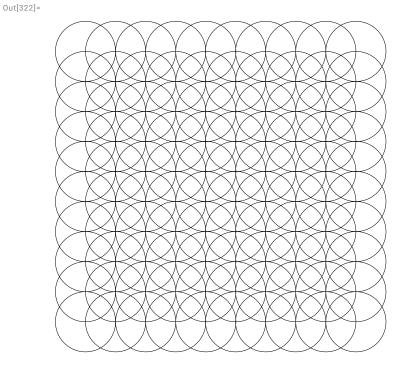
Out[320]=



In[321]:= $Graphics[Table[Style[Circle[\{0,\,0\},\,r],\,RandomColor[]],\,\{r,\,1,\,10\}]]$ Out[321]=

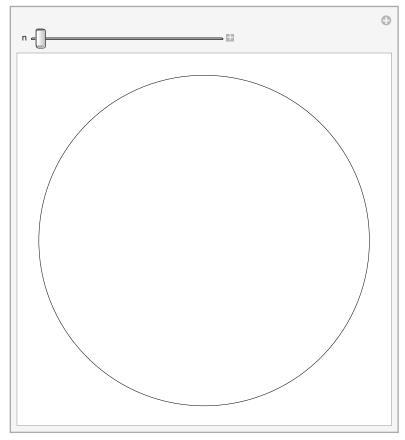


In[322]:= Graphics[Table[Circle[{x, y}, 1], {x, 1, 10}, {y, 1, 10}]]

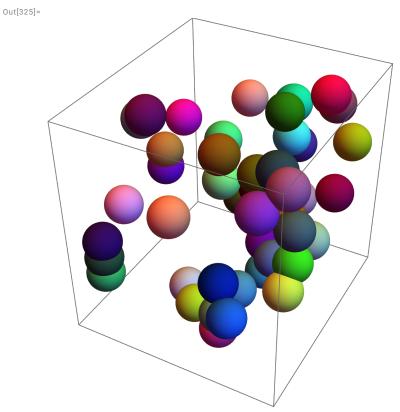


In[323]:=										
Out[323]=	Graph	ics[T	able	Point	:[{x,	у}],	{x, 1,	10},	{y, 1	L , 1 0}]]
Out[323]-	•	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•	•
			•	•	•		•	•	•	•
	•	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•	•

Out[324]=



In[325]:= Graphics3D[Table[Style[Sphere[{RandomInteger[10, 3]}, 1], RandomColor[]], 50]]



In[326]:=

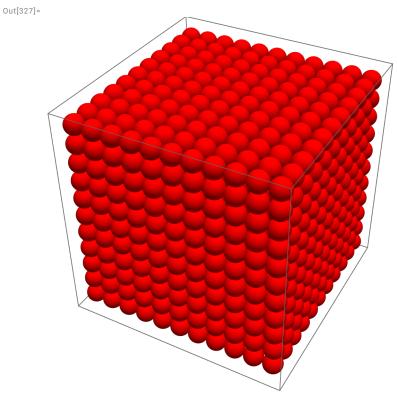
Show[%827, Axes → True, AxesStyle → Black]

··· Show: Out is not a type of graphics. (1)

Out[326]=

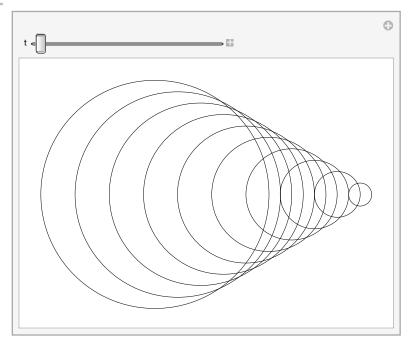
Show[\$827, Axes \rightarrow True, AxesStyle \rightarrow \blacksquare]

Graphics3D[Table[Style[Sphere[{x, y, z}], Hue[n]], {x, 1, 22, 2}, {y, 1, 22, 2}, {z, 1, 22, 2}, {n, 0, 1}]]



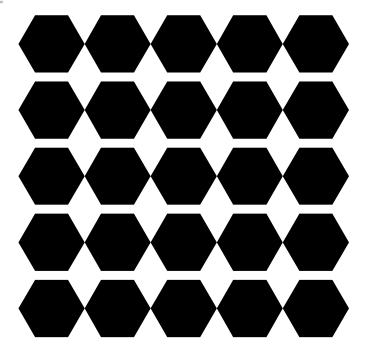
Manipulate[Graphics[Table[Circle[{tx, 0}, x], {x, 1, 10}]], {t, -2, 2}]

Out[328]=



In[329]:= $Graphics[Table[RegularPolygon[\{x,\,y\},\,0.5,\,6],\,\{x,\,1,\,5\},\,\{y,\,1,\,5\}]]$

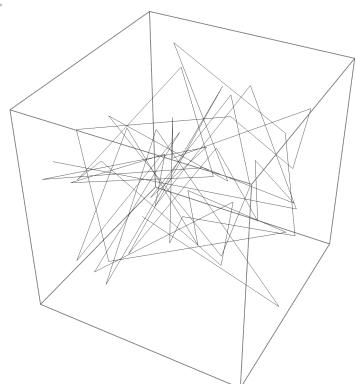
Out[329]=

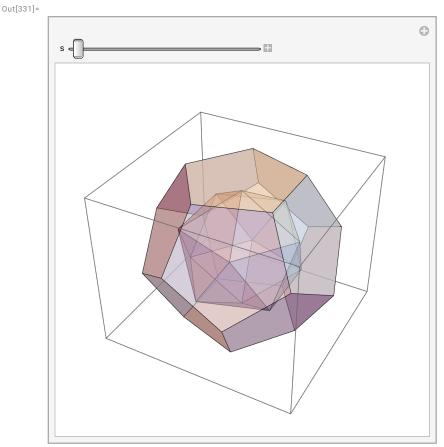


In[330]:=

Graphics3D[Line[Table[RandomInteger[50, 3], 50]]]

Out[330]=

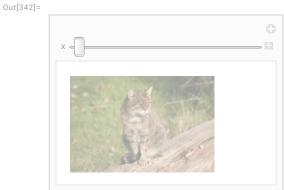




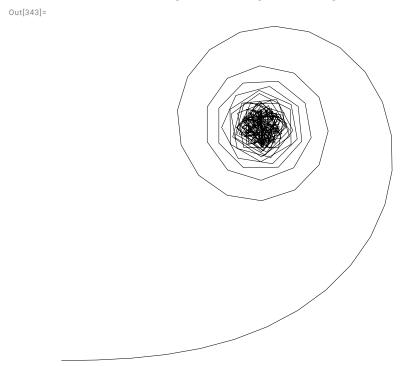
Chapter 17

```
Mount Everest MOUNTAIN ✓ ["Elevation"] / Eiffel Tower BUILDING ... ✓ ["Height"]
Out[335]=
       26.8147
       Earth PLANET ... ["Mass"] / Moon PLANETARY MOON ... ["Mass"]
Out[336]=
       81.3
      CurrencyConvert ¥2500., □ $ ✓
       $16.44
      UnitConvert Plus □ 35 oz  , □ 0.25 sh tn  , □ 0.25 sh tn
         ■ 45 lb ... ✓, ■ 9 stone ... ✓ , ■ kg ... ✓
Out[338]=
       305.353 kg
       UnitConvert
          Mars PLANET (... ✓ ["DistanceFromEarth"], Venus PLANET (... ✓ ["DistanceFromEarth"],
          Mercury PLANET ["DistanceFromEarth"], Jupiter PLANET ["DistanceFromEarth"],
          Saturn PLANET (***) ["DistanceFromEarth"], Uranus PLANET (***) ["DistanceFromEarth"],
          Neptune PLANET ... ✓ ["DistanceFromEarth"] }, ⊨ light minutes ✓
Out[339]=
        6.19673 light minutes, 3.66411 light minutes,
        11.4198 light minutes, 39.2366 light minutes,
        87.3811 light minutes, 162.484 light minutes, 255.37 light minutes
In[340]:=
       Rotate["hello", 180 Degree]
Out[340]=
       ojjay
In[341]:=
      Table[Rotate["A", x Degree], {x, 0, 360, 30}]
Out[341]=
       \{A, P, \nabla, \triangleleft, \Delta, b, \forall, \forall, \lambda, \lambda, \lambda, p, q, A\}
```

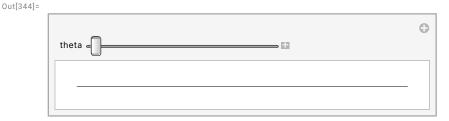




In[343]:= Graphics[Line[AnglePath[Range[180] Degree]]]



In[344]:= Manipulate[Graphics[Line[AnglePath[Table[theta, 100]]]], {theta, 0, 360}]



In[345]:= Graphics[Line[AnglePath[IntegerDigits[2^10000] 30 Degree]]]

Out[345]=

