

Pensieve header: Making the beehive picture.

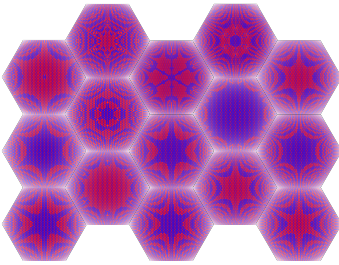
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In[ ]:= SetDirectory["C:\\drorbn\\AcademicPensieve\\Projects\\Theta\\MRP"];

In[ ]:= BeehiveImages =
  Import["C:\\drorbn\\AcademicPensieve\\Projects\\HigherRank\\DunfieldKnots\\PP" <>
    ToString[#] <> ".png"] & /@ (100 + Range[15]);
Show[Beehive = Graphics[{
  {0, 0, 1}, {1, 0, 2}, {2, 0, 3}, {0, 1, 4}, {1, 1, 5}, {2, 1, 6}, {-1, 2, 7}, {0, 2, 8},
  {1, 2, 9}, {-1, 3, 10}, {0, 3, 11}, {1, 3, 12}, {-2, 4, 13}, {-1, 4, 14}, {0, 4, 15}
}],
PlotRange -> {{-0.6, 4.1}, {-0.5, 3}}, ImageSize -> 1200] /. {x_, y_, k_} :->
Inset[
  SetAlphaChannel[BeehiveImages[[k]], Graphics[{White,
    Polygon[Table[{Cos[t], Sin[t]}, {t, 0, 5  $\pi$  / 3,  $\pi$  / 3}]]], Background -> Black]],
  x {0, 1} + y { $\sqrt{3}$  / 2, 1 / 2}, Center, 1.2
], ImageSize -> Small]

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Out[]:=



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In[ ]:= Export["Beehive.pdf", ImageCrop[Beehive]]

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Out[]:=

Beehive.pdf