

```
SetDirectory["C:\\drorbn\\AcademicPensieve\\Talks\\Sydney-1708"]
```

```
C:\\drorbn\\AcademicPensieve\\Talks\\Sydney-1708
```

```
Make::usage =
  "Make[target, sources, action] makes a target, or a list of targets, given
  sources, or a list of sources, in the style of the unix 'make' command.";
Make[target_String, sources_, action_Hold] :=
  Make[Evaluate@{target}, sources, action];
Make[target, source_String, action_Hold] :=
  Make[target, Evaluate@{source}, action];
Make[target_List, sources_List, action_Hold] := Module[{},
  If[
    (And @@ ((FileType[#] != None) & /@ sources)) &&
    Or[
      Or @@ ((FileType[#] == None) & /@ targets),
      Min[AbsoluteTime[FileDate[#]] & /@ targets] <
        Max[AbsoluteTime[FileDate[#]] & /@ sources]
    ],
    Print["Making ", targets, " ..."];
    ReleaseHold[action]
  ]
];
```

? Make

Make[target, sources, action] makes a target, or a list of targets, given sources, or a list of sources, in the style of the unix 'make' command.

```
name = "Quintic-Handout";
target = name <> "_400.png";
source = name <> ".pdf";
Make[target, source, Hold[
  Read["!convert -trim -geometry 400x400 -background white -alpha remove -gamma 0.5 " <>
    source <> "[0] " <> target];
  MakeThumb[target];
]]
```

```
name = "Quintic-Handout";
target = name <> "_800.png";
source = name <> ".pdf";
Make[target, source, Hold[
  Read["!convert -trim -geometry 800x800 -background white -alpha remove " <>
    source <> "[0] " <> target];
  MakeThumb[target];
]]
```

```

target = "Proof.png";
source = "Quintic-Handout.pdf";
dpi = 150;
pos = dpi (11.69 - Get["Quintic-Handout.pos"]) // Round;
yoff = pos[[1]] // ToString;
ylen = pos[[2]] - pos[[1]] // ToString;
Make[target, source, Hold[
  Read["!convert -density 150 -background white -alpha remove -crop x" <>
    ylen <> "+0+" <> yoff <> " -trim " <> source <> "[0] " <> target];
  MakeThumb[target];
]]

```

 **Get:** Cannot open Quintic-Handout.pos.

 **Part:** Part 2 of Round[150(11.69 - \$Failed)] does not exist.

```

Make["Proof.png", "Quintic-Handout.pdf",
  Hold[Read["!convert -density 150 -background white -alpha remove -crop x" <>
    ylen <> "+0+" <> yoff <> " -trim " <> source <> "[0] " <> target];]]

```

```

name = "ExtraDetails";
target = name <> "_800.png";
source = "nb/" <> name <> ".pdf";
Make[target, source, Hold[
  Read["!convert -trim -geometry 800x800 -background white -alpha remove " <>
    source <> "[0] " <> target];
  MakeThumb[target];
]]

```

Making {ExtraDetails_800.png} ...

```

{
  "TitleNotes" ->
    "This is the construction folder for my talks in Sydney, August 2017, <a
      href=http://www.math.toronto.edu/~drorbn/Talks/Sydney-1708/>http://www.math.
      toronto.edu/~drorbn/Talks/Sydney-1708/</a>.<p>",
  "CleanTeX" → True
}

```

```

{TitleNotes → This is the construction folder for my talks in Sydney, August 2017, <a
  href=http://www.math.toronto.edu/~drorbn/Talks/Sydney-1708/>http://www.math.
  toronto.edu/~drorbn/Talks/Sydney-1708/</a>.<p>, CleanTeX → True}

```