

```
In[*]:= SetDirectory["C:\\drorbn\\AcademicPensieve\\Projects\\Tilings"]
```

```
Out[*]= C:\drorbn\AcademicPensieve\Projects\Tilings
```

```
In[*]:= 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]
  ]
];
```

```
In[*]:= sources = DeleteCases[FileNames[{"*/*.png", "*/*.jpg", "*/*.jpeg"}],
  "333\\20180125_114714.jpg" | "333\\20180125_114732.jpg" |
  "333\\20180125_114911.jpg" | "442\\AtAgaKhan.jpg" | "thumbs\\APhaseDiagram.jpg" |
  "thumbs\\ConfusedAtCaraMiaNYC.jpg" | "thumbs\\ContactSheet.jpg" |
  "thumbs\\ContactSheetH.jpg" | "thumbs\\Karolina-1.jpg" | "thumbs\\Karolina-2.jpg" |
  "thumbs\\RandomlyPermuted.jpg" | "thumbs\\TerritorialDispute.jpg" |
  "previews\\APhaseDiagram.jpg" | "previews\\ConfusedAtCaraMiaNYC.jpg" |
  "previews\\ContactSheet.jpg" | "previews\\ContactSheetH.jpg" |
  "previews\\Karolina-1.jpg" | "previews\\Karolina-2.jpg" |
  "previews\\RandomlyPermuted.jpg" | "previews\\TerritorialDispute.jpg"];
```

```
In[*]:= target = "ContactSheet.jpg";
Make[target, sources, Hold[
  Read["!montage -resize 300x300 -gravity center -extent 300x300
  -pointsize 24 -label %d/%t -geometry +0+0 -frame 2 -background
  white -bordercolor white -mattecolor white -tile 12 " <>
  StringJoin @@ Riffle[sources, " "] <> " " <> target];
  MakeThumb@target;
  MakePreview@target;
]];
```

```
Making {ContactSheet.jpg} ...
```

```
In[*]:= target = "ContactSheetH.jpg";
Make[target, sources, Hold[
  Read["!montage -resize 300x300 -gravity center -extent 300x300
    -pointsize 24 -label %d/%t -geometry +0+0 -frame 2 -background
    white -bordercolor white -mattecolor white -tile 20 " <>
  StringJoin @@ Riffle[sources, " "] <> " " <> target];
  MakeThumb@target;
  MakePreview@target;
]];
```

Making {ContactSheetH.jpg} ...

```
In[*]:= target = "RandomlyPermuted.jpg";
Make[target, sources, Hold[
  psources = Flatten[RandomSample[Partition[sources, 2]]];
  Read[
    "!montage -resize 300x300 -gravity center -extent 300x300 -pointsize 24 -label %t
    -geometry +0+0 -frame 2 -background white
    -bordercolor white -mattecolor white -tile 12 " <>
    StringJoin @@ Riffle[psources, " "] <> " " <> target];
  MakeThumb@target;
  MakePreview@target;
]];
```

Making {RandomlyPermuted.jpg} ...

```
In[*]:= {}
```

```
Out[*]= {}
```