

Pensieve header: Make the snip files in Snips/.

```
(Alt) In[ ]:= files =
  (f1 = Union@MakeSnips["SL2Invariant.nb"]) ∪ (f2 = {} (*Union@MakeSnips["ybax.nb"]*));
DeleteFile /@ Complement[StringReplace["\" → "/" ] /@ FileNames["Snips/*.pdf"], files];
{Length /@ {f1, f2}, Union[f1, f2]}

(Alt) Out[ ]:= {{44, 0}, {Snips/Knot-1.pdf, Snips/Knot-2.pdf, Snips/Profile-1.pdf, Snips/Profile-2.pdf,
  Snips/Program-10.pdf, Snips/Program-11.pdf, Snips/Program-12.pdf, Snips/Program-13.pdf,
  Snips/Program-14.pdf, Snips/Program-15.pdf, Snips/Program-16.pdf, Snips/Program-17.pdf,
  Snips/Program-18.pdf, Snips/Program-19.pdf, Snips/Program-1.pdf, Snips/Program-20.pdf,
  Snips/Program-21.pdf, Snips/Program-22.pdf, Snips/Program-23.pdf, Snips/Program-24.pdf,
  Snips/Program-25.pdf, Snips/Program-26.pdf, Snips/Program-27.pdf, Snips/Program-28.pdf,
  Snips/Program-29.pdf, Snips/Program-2.pdf, Snips/Program-30.pdf, Snips/Program-31.pdf,
  Snips/Program-32.pdf, Snips/Program-33.pdf, Snips/Program-34.pdf, Snips/Program-35.pdf,
  Snips/Program-36.pdf, Snips/Program-37.pdf, Snips/Program-38.pdf, Snips/Program-39.pdf,
  Snips/Program-3.pdf, Snips/Program-40.pdf, Snips/Program-4.pdf, Snips/Program-5.pdf,
  Snips/Program-6.pdf, Snips/Program-7.pdf, Snips/Program-8.pdf, Snips/Program-9.pdf}}
```

## Prolog

```
(Alt) In[ ]:= SetDirectory["C:\\drorbn\\AcademicPensieve\\Projects\\SL2Invariant"];
Get["../..\\Talks\\Matemale-1804\\CellExport.m"];
BeginPackage["Snips`", {"CellExport`"}];
MakeSnips;
Begin["`private`"];
SetOptions[$FrontEndSession, PrintingStyleEnvironment → "Working"];
```

## SL2Invariant Snips

(Alt) In[ ]:=

```

MakeSnips[nb_] := (
  If[Head[$FrontEnd] === FrontEndObject,
    SetOptions[CellExport, ExportFormat → ".pdf", Split → True,
      PageWidth → 7.12, ExportOptions → {ImageSize → Scaled[0.75]}],
    SetOptions[CellExport, ExportFormat → ".pdf", Split → True, PageWidth → 7.12]
  ];
  SourceNotebook = Get[nb];
  DialogTags = {};
  tags = Cases[SourceNotebook, (CellTags → tag_) ⇒ tag, Infinity] // Union;
  files = Reap[Flatten[Table[
    Which[
      tag == "817",
      { (* this is only left here as a demo for how to make an exception *)
        Sow@CellExport[SourceNotebook, "817", {CellFilter → First,
          ExportBaseFilename → "Snips/817-In"}],
        Sow@CellExport[SourceNotebook, "817", {CellFilter → Rest,
          ExportBaseFilename → "Snips/817-Out", PageWidth → 5.5 * 0.24 / 0.16}]
      },
      MemberQ[DialogTags, tag], {
        Sow@CellExport[SourceNotebook, tag,
          {CellFilter → First, ExportBaseFilename → "Snips/" <> tag <> "-In"}],
        Sow@CellExport[SourceNotebook, tag, {CellFilter → Rest,
          ExportBaseFilename → "Snips/" <> tag <> "-Out"}]
      },
      True,
      Sow@CellExport[SourceNotebook, tag, ExportBaseFilename → "Snips/" <> tag]
    ],
    {tag, tags}]]];
  PutAppend[DateString[], "Snips/Verification.txt"];
  Sort@Flatten[files]
)

```

## Epilog

(Alt) In[ ]:=

```
End[]; EndPackage[];
```