

## Run

```
In[*]:= SetDirectory["C:\\drorbn\\AcademicPensieve\\People\\VanDerVeen\\PG"];  
nb2tex[  
  "TraditionalHopfStructure@",  
  "TraditionalHopfStructure",  
  PDFFolder → "Snips",  
  PDFWidth → 6.15  
];
```

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## nb2tex

As in <http://drorbn.net/AcademicPensieve/Projects/nb2tex/>.

```
In[*]:= SetOptions[$FrontEndSession, PrintingStyleEnvironment → "Working"];  
nb2tex[nb_String, opts__Rule] := nb2tex[nb, nb, opts];
```

In[ ]:=

```

nb2tex[nb_String, tex_String, opts___Rule] := Module[
  {notebook, PDFCounter = 0, lines, type, tag, pdfname, cell, c, c1,
    PDFFolder = PDFFolder /. {opts} /. PDFFolder → nb
  },
  nb2tex$PDFWidth = PDFWidth /. {opts} /. PDFWidth → 6.5;
  notebook = NotebookGet[NotebookOpen@FileNameJoin[{Directory[], nb <> ".nb"}]];
  If[FileType[PDFFolder] === None, CreateDirectory[PDFFolder]];
  DeleteFile /@ FileNames["*.pdf", PDFFolder];
  lines = Table[
    type = cell[[2]];
    tag = CellTags /. Cases[cell, _Rule] /. CellTags → "";
    Which[
      type == "Text" ^ tag == "tex", StringReplace[cell[[1]], {"'" → "'", "\"" → "\""},
      StringMatchQ[tag, "pdf" ~~ ____], (
        pdfname = PDFFolder <> "/" <> ToString[++PDFCounter] <> ".pdf";
        Export[pdfname, Join[cell, Cell[PageWidth → 80 nb2tex$PDFWidth / 0.75]]];
        c1 = "c:\\drorbn\\bin\\cpdf.exe -scale-page \"0.75 0.75\" " <>
          pdfname <> " -o " <> pdfname;
        Close@OpenRead["!" <> c1];
        StringReplace[
          "\\noindent\\nbpdfXXXType{pdfname}",
          {"XXX" → StringDrop[tag, 3], "Type" → type, "pdfname" → pdfname}
        ]
      ),
      type == "Text" ^ tag == "exec", ToExpression[cell[[1]]; "",
      True, ""
    ],
    {cell, Cases[notebook, c_Cell /; Length[c] ≥ 2(*^FreeQ[c, _Cell, {1,∞}]*), ∞]}
  ];
  lines = StringJoin@@Riffle[DeleteCases[lines, ""], "\n\n"];
  WriteString[tex <> ".tex", lines]; Close[tex <> ".tex"]; ]

```