

```

nb2tex[nb_String, tex_String, opts___Rule] := Module[
{notebook, PDFCounter = 0, type, tag, pdfname, cells, cell, c, cl, texfiles = {},
TeXOut,
PDFFolder = PDFFolder /. {opts} /. PDFFolder → nb
},
nb2tex$TeXFileName = tex <> ".tex";
nb2tex$PDFWidth = PDFWidth /. {opts} /. PDFWidth → 6.5;
TeXOut[s_String] := (texfiles = texfiles ∪ {nb2tex$TeXFileName};
WriteString[nb2tex$TeXFileName, s]);
notebook = NotebookGet[NotebookOpen@FileNameJoin[{Directory[], nb <> ".nb"}]];
If[FileType[PDFFolder] === None, CreateDirectory[PDFFolder]];
DeleteFile /@ FileNames["*.pdf", PDFFolder];
cells = Cases[notebook, c_Cell /; Length[c] ≥ 2, ∞];
Do[
type = cell[[2]];
tag = CellTags /. Cases[cell, _Rule] /. CellTags → "";
Which[
type == "Text" ^ tag == "tex", TeXOut[
StringReplace[cell[[1]], {"'" → "'", "\"" → "\""}] <> "\n\n",
StringMatchQ[tag, "pdf:" ~ ~ ___], (
pdfname = PDFFolder <> "/" <> StringDrop[tag, 4] <> type <> ".pdf";
Export[pdfname, Join[cell, Cell[PageWidth → 80 nb2tex$PDFWidth / 0.75]]];
cl = "c:\\drorbn\\bin\\cpdf.exe -scale-page \"0.75 0.75\" " <> pdfname <>
" -o " <> pdfname;
Close@OpenRead["!" <> cl];
),
StringMatchQ[tag, "pdf" ~ ~ ___], (
pdfname = PDFFolder <> "/" <> ToString[++PDFCounter] <> ".pdf";
Export[pdfname, Join[cell, Cell[PageWidth → 80 nb2tex$PDFWidth / 0.75]]];
cl = "c:\\drorbn\\bin\\cpdf.exe -scale-page \"0.75 0.75\" " <> pdfname <>
" -o " <> pdfname;
Close@OpenRead["!" <> cl];
TeXOut[StringReplace[
"\noindent\nbpdfXXXType{pdfname}\n\n",
{"XXX" → StringDrop[tag, 3], "Type" → type, "pdfname" → pdfname}
]]
),
type == "Input" ^ tag == "exec", ToExpression[cell[[1]],
True, Null
],
{cell, cells}
];
Close /@ texfiles;
]

```