

Pensieve header: A program for exporting tagged cells, continued pensieve://2013-03/.

```

BeginPackage["CellExport`"];

CellExport; TagProperties; CellFilter; ExportFormat; ExportOptions; Split;

Begin["Private`"];

HackedExport[fname_String, rest___] := Module[{out},
  If[FileExtension[fname] != "png",
    Export[fname, rest],
    Export["HackedExportTemporary.gif", rest];
  out = Export[fname, Import["HackedExportTemporary.gif"]];
  DeleteFile["HackedExportTemporary.gif"];
  out
];

TagProperties[_] := {};
Options[CellExport] = {
  PageWidth → 6, CellFilter → Identity,
  ExportFormat → ".pdf", ExportOptions → {}, Split → False
};

CellExport[tag_String, opts___Rule] := CellExport[
  NotebookGet[EvaluationNotebook[]],
  tag, opts
];

CellExport[nb_Notebook, tag_String] := CellExport[nb, tag, TagProperties[tag]];
CellExport[nb_Notebook, tag_String, OptionsPattern[]] := Module[
  {cells, cell},
  Print["exporting ", tag, "..."];
  cells = OptionValue[CellFilter][Cases[
    nb, c_Cell /; FreeQ[List@@c, Cell] && !FreeQ[c, CellTags → tag],
    Infinity
  ]];
  If[!OptionValue[Split],
    If[Length[cells] ≥ 1,
      If[Length[cells] == 1,
        cells = Append[First[cells], PageWidth → 72 OptionValue[PageWidth]],
        cells = Cell[CellGroup[cells], PageWidth → 72 OptionValue[PageWidth]]
      ];
    HackedExport[
      tag <> OptionValue[ExportFormat], cells,
      ImageResolution → 300,
      OptionValue[ExportOptions]
    ]
  ],
  k = 0;
  Table[

```

```
++k;  
HackedExport[  
  tag <> "-" <> ToString[k] <> OptionValue[ExportFormat],  
  Append[cell, PageWidth → 72 OptionValue[PageWidth]],  
  ImageResolution → 300,  
  OptionValue[ExportOptions]  
],  
{cell, cells}  
]  
]  
];  
  
End[]; EndPackage[];
```