Useful Links

# **Programming**

* [Python datetime format codes](https://www.w3schools.com/python/python_datetime.asp): I always forget these, lol.
* [Markdown Cheatsheet](https://github.com/adam-p/markdown-here/wiki/Markdown-Cheatsheet): Markdown is the markup language I use to format README.md files in my GitHub repositories.
* [RegExr](https://regexr.com/): Interactive tool for creating, understanding, and testing regular expressions

## Python Packages

* [Pylinac](https://pylinac.readthedocs.io/en/release-3.0/): TG-142
* [pythonnet](http://pythonnet.github.io/): Python package for using .NET 4.0+ in Python. Standard way to use GUIs in RayStation scripts.
  + [.NET API documentation](https://docs.microsoft.com/en-us/dotnet/api/?view=netframework-4.0): Everything available in .NET (and thus pythonnet). Likely, the only namespaces you’ll need are [System.Drawing](https://docs.microsoft.com/en-us/dotnet/api/system.drawing?view=netframework-4.0) and [System.Windows.Forms](https://docs.microsoft.com/en-us/dotnet/api/system.windows.forms?view=netframework-4.0).
* [reportlab](https://pypi.org/project/reportlab/): Use the ReportLab Toolkit for PDF creation.
  + [API Reference](https://www.reportlab.com/docs/reportlab-reference.pdf)
  + [ReportLab documentation](https://www.reportlab.com/dev/docs/): Not Python specific

## IDEs

* [Visual Studio documentation](https://docs.microsoft.com/en-us/visualstudio/windows/?view=vs-2022): I have Visual Studio installed on our RayStation servers. VS’s debugging tools are handy for RayStation scripting.
* [Visual Studio Code documentation](https://code.visualstudio.com/docs)

# **Vendors**

## Accuray

* [AERO](https://accurayexchange.com/): User community. Forums, exclusive content.
* [Support](https://www.accuray.com/service-requests/)

## Elekta

* [Elekta Care Community](https://community.elekta.com/): User community. Support, forums, exclusive content.
* [Webex](myelekta.webex.com): Video / remote desktop support service

## LANDAUER

* [myLDR](https://myldr.landauer.com/): Radiation badge management

## RaySearch

* [Ray Community](https://raysearchlabs.force.com/raycommunity): User community. Support, forums, exclusive content.

# Professional Organizations and Governing Bodies

## [**AAPM**](https://www.aapm.org/)

* [Publications](https://www.aapm.org/pubs): Includes TG reports

### [Chapters](https://www.aapm.org/org/chapters/default.asp)

* [Chapter meetings](https://www.aapm.org/meetings/chaptermeetings.asp)

### Membership

* [Application form](https://www.aapm.org/memb/prospect/AscApp.asp)
* [Types of membership](https://w4.aapm.org/memb/apply_national.php)

## [ASTRO](https://www.astro.org/)

* [Coding question submission form](https://www.astro.org/Daily-Practice/Coding/Coding-Question-Fillable-Form)

## [IAEA](https://www.iaea.org/)

* [Training materials](https://www.iaea.org/resources/rpop/resources/training-material)

### Dosimetry and Medical Radiation Physics (DMRP)

* [Publications](http://www-naweb.iaea.org/nahu/DMRP/publications/index.html)

## [NRC](https://www.nrc.gov/)

* [NUREG](https://www.nrc.gov/reading-rm/doc-collections/nuregs/index.html)

# DICOM Tools

* [DicomTools](https://dicom-tools.carinaai.com/): Web-based anonymizer, contour comparator, and deformable registration assessment
* [DICOM browser](https://dicom.innolitics.com/): Browse all DICOM attributes

# Journals

* [*Red Journal*](https://www.redjournal.org): ASTRO International Journal of Radiation Oncology, Biology, Physics

# Data Sources

* [List](https://www.aylward.org/notes/open-access-medical-image-repositories) of open-access medical imaging repositories

# Film Analysis

* [ImageJ](https://imagej.nih.gov/ij/): Image processing app. Does not require admin permissions to install. We keep a [copy](../../../ImageJ) on our Physics network drive.
* [Radiochromic.com](https://radiochromic.com/): Online film dosimetry and QA tools
* [FilmQA Pro](http://www.gafchromic.com/filmqa-software/filmqapro/index.asp): IMRT QA software for Gafchromic film. Offers a 30-day free trial.
* [Pylinac](#_Python_Packages)

# Office Tools

* [LunaPic](https://www10.lunapic.com/editor/): Poorly designed online analog of the photo editor Gimp. Change image colors, remove background, etc.
* [I ♥ PDF](https://www.ilovepdf.com/): PDF tools, such as splitting, merging, and adding page numbers

# Misc.

* [eContour](https://econtour.org/): Contour atlases
* [EMITEL](http://preview.emitel2.eu/emitwwwsql/index.aspx): Encyclopedia and dictionary of med phys terms
* Wayne State med phys [listservs](https://lists.wayne.edu/cgi-bin/wa?INDEX)