

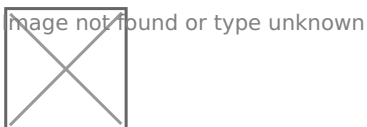
# Fiber Viewer

NORA includes fiberviewer based on WebGL and Babylon.js. The main features are:

- Supports TCK (mrtrix) and TRK (TrackVis) formats
- Fiber Manipulations
  - Interactive selection by variable sized spheres
  - Interactive deletion by variable sized sphere
  - Selection and Deletion of tracts by ROIs
  - Selection by sphere sets, (annotation type: poinset)
  - Selection by waypoints (annotation type: freeline)
  - Selection by DBS electrodes
- Rendering
  - Vistmaps (fiber densities)
  - Terminalmaps
  - Liveupdate of visit/terminal maps
- Tracking
  - a simplistic fibertracking algorithm based on tensor/orientationl fields is provided

## Starting the fiber viewer

Choose an appropriate background image (like a T1w) and simply drop a tck or trk file into a viewport and the viewer will automatically switch to 3D mode and displays the fibers. An additional viewbar appears, which is associated with the loaded tracts. The viewbars allows you manipulate the streamlines, select subsets, etc. Here a short overview:



## Fiber Selection

- **Manually:**  
Hold **Shift key** pressed, a yellow sphere appears when hovering with mouse over the tracking, click to select all fibers going through the
- **By ROI:**
- **By Annotation:**

Cropping Selections and iterative selections.

A small fiber viewer pptx

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Revision #11

Created 17 September 2020 13:14:30 by reiser tm

Updated 22 January 2024 16:16:58 by reiser tm