

SpikeSort 3D convenient & fast online/offline spike waveform-to-cell classification tool

- Integrates with Cheetah via NetCom, and runs as a stand-alone offline program
- Manual clustering modes include:
 - convex hulls in 3D space
 - rectangular boundaries in 2D space
 - templates on raw spike waveforms
- Fast, smooth 3D display manipulation for quick identification & isolation of clusters/cells
- Waveform parameter calculations include Peak, Valley, Area & Energy, and advanced measures such as Principal Component Analysis
- Cluster quality measures – isolation & L-ratio
- Same program & UI for online and offline classification
- Automatic sorting via KlustaKwik interface
- Up to 8 features calculated for each spike
- Inter-spike interval & average waveform displays
- Fast graphics drawing – even for million spike data sets
- Spike file size limited only by system memory

Ease of Use

- Spike files are saved with new assignments intact
- Cluster definition may be saved for later use
- Timestamp files created for importing clustered data into virtually any analysis software

Note: You can use SS3D for review & touchup of SNAP Sorter auto-clustering results

