UCD proposal May 2018

http://wiki.ivoa.net/twiki/bin/view/IVOA/UCDList1dot42017June2018FebRFM

- Q | **phys.electCharge** | Electric charge
- Q | **phys.current** | Electric current
- Q | **phys.current.density** | Electric current density
- Q | **pos.incidenceAng** | Incidence angle of optical ray on an interface
- Q | **pos.emergenceAng** | Emergence angle of optical ray on an interface
- Q | **pos.azimuth** | azimuthal angle in a generic reference plane
- Q | **phys.reflectance** | Radiance factor (received radiance divided by input radiance)
- Q | **phys.reflectance.bidirectional** | Bidirectional reflectance
- Q | **phys.reflectance.bidirectional.df** | Bidirectional reflectance distribution function
- Q | **phys.reflectance.factor** | Reflectance normalized per direction cosine of incidence angle
- S | **pos.cylindrical** |Related to cylindrical coordinates
- Q | **pos.cylindrical.r** | Radial distance from z-axis (cylindrical coordinates)
- Q | **pos.cylindrical.azi** | Azimuthal angle around z-axis (cylindrical coordinates)
- Q | **pos.cylindrical.z** | Height or altitude from reference plane (cylindrical coordinates)
- S | **pos.spherical** | Related to cylindrical coordinates
- Q | **pos.spherical.r** | Radial distance or radius (spherical coordinates)
- Q | **pos.spherical.azi** | Azimuthal angle (spherical coordinates)
- Q | **pos.spherical.colat** |Polar or Colatitude angle (spherical coordinates)
- Q | **pos.resolution** | Spatial linear resolution (not angular)
- S | **pos.bodycentric** | Body-centric related coordinate
- S | **pos.bodygraphic** | Body-graphic related coordinate
- Q | **meta.checksum** | Numerical signature of digital data
- Q | **phys.polarization.coherency** | Matrix of the correlation between components of an electromagnetic wave

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