Compliance sheets, one per package

One document per package: identity, licence and obligations, dependencies, fingerprints, limits, export, citation and warranty. Each is also a PDF.

conjunction-screen-sgp4	Conjunction screening of TLE catalogues with SGP4, KD-tree coarse pass and closed-form TCA refinement	PDF
star-albers	Albers equal-area conic projection	PDF
star-anomaly	Mean, eccentric, hyperbolic and true anomaly	PDF
star-atmosphere	U.S. Standard Atmosphere 1976 (below 86 km)	PDF
star-audit	Geodetic conversion accuracy audit	PDF
star-calendar	Calendar dates and Julian day numbers, exactly	PDF
star-cdm	Strict CCSDS 508.0-B-1 Conjunction Data Message (KVN) parser with consistency report	PDF
star-chebyshev	Chebyshev series with their derivative	PDF
star-coords	Spherical and cylindrical ⇄ rectangular coordinates	PDF
star-coverage	What a satellite sees, and from where it is seen	PDF
star-crc	Cyclic redundancy checks, bit by bit	PDF
star-crosscheck	Cross-solver verification fabric (S.T.A.R.)	PDF
star-cw	Relative motion near a circular orbit (Clohessy-Wiltshire)	PDF
star-doppler	Range, range rate and one-way Doppler shift	PDF
star-ecliptic	Mean obliquity and equatorial ⇄ ecliptic directions	PDF

star-elements	Classical orbital elements to and from Cartesian state (Curtis Algorithms 4.2 / 4.5)	PDF
star-ellipsoid	The WGS-84 ellipsoid as a surface	PDF
star-epoch	Julian and Besselian epochs	PDF
star-era	Earth Rotation Angle and IAU 2006 sidereal time	PDF
star-euler	Euler angles for the twelve sequences, one convention	PDF
star-galactic	Equatorial ⇄ galactic directions	PDF
star-gasdynamics	Isentropic flow and normal shock of a perfect gas	PDF
star-geodesic	Distance and azimuth on the WGS-84 ellipsoid	PDF
star-geodesy	WGS-84 geodetic to/from ECEF with exact inversion at any altitude	PDF
star-horizon	Hour angle and declination ⇄ azimuth and elevation	PDF
star-interp	Lagrange interpolation through tabulated points	PDF
star-iod	Velocity from three positions (Gibbs, Herrick-Gibbs)	PDF
star-j2	What the Earth's oblateness does to an orbit, on average	PDF
star-kepler	Two-body propagation with universal variables	PDF
star-lambert	Universal-variable Lambert orbital boundary value problem solver	PDF
star-lcc	Lambert conformal conic projection	PDF
star-linefit	Least-squares line and correlation, correctly rounded	PDF
star-linsolve	Small linear systems, correctly rounded	PDF

star-maneuver	Closed-form vis-viva and Hohmann orbital transfer engine	PDF
star-mat3	The 3×3 matrix operations of frame and attitude code	PDF
star-mercator	Mercator on the ellipsoid, and Web Mercator	PDF
star-moon	Where the Moon is, to about 0.4 degree (0.2 degree for 95 % of dates)	PDF
star-mrp	Modified Rodrigues parameters	PDF
star-orbit	Numerical orbit propagation (Cowell, fixed-step RK4) with two-body + J2 gravity, linked to star_timescales	PDF
star-polar	Polar stereographic projection and UPS	PDF
star-poly	Real roots of quadratics and cubics	PDF
star-polyfit	Least-squares polynomial, correctly rounded	PDF
star-precession	Between J2000 and the mean equator of date (IAU 1976)	PDF
star-quadrature	Gauss-Legendre quadrature	PDF
star-quantile	Median, quantiles, IQR and MAD, correctly rounded	PDF
star-quaternion	Rotations with one stated convention	PDF
star-rootfind	Bracketed roots to the last float	PDF
star-rotframe	Position and velocity between an inertial and a rotating frame	PDF
star-sexagesimal	Degrees ⇄ degrees/minutes/seconds and hours/minutes/seconds	PDF
star-sidereal	Greenwich mean sidereal time (IAU 1982)	PDF

star-sigma	What "n sigma" means in one, two and three dimensions	PDF
star-slerp	Interpolation of attitudes along the shortest arc	PDF
star-spacepacket	CCSDS Space Packets, built and read strictly	PDF
star-sphere	Angles between directions on the sphere	PDF
star-spline	Natural cubic spline, correctly rounded	PDF
star-stats	Summary statistics, correctly rounded	PDF
star-sun	Sun direction, beta angle and eclipse test	PDF
star-tabint	Integrals of tabulated data, correctly rounded	PDF
star-tdb	TDB - TT with the USNO Circular 179 series, verified against ERFA full series within 10 microseconds	PDF
star-telemetry	CCSDS AOS/TM transfer frame deframer and Space Packet reassembler	PDF
star-aos-c	CCSDS AOS/TM transfer-frame check in C99 (S.T.A.R.)	PDF
star-timecode	CCSDS ASCII time codes A and B, strict	PDF
star-tle	A strict reader of two-line element sets	PDF
star-topo	Look angles from a ground site	PDF
star-twobody	The sizes and speeds of a Keplerian ellipse	PDF
star-units	Unit conversion with exact definitions and a dimension check	PDF
star-utm	Transverse Mercator and UTM coordinates	PDF
star-vec3	The three-dimensional vector operations of orbit and attitude code	PDF

star-wahba	Attitude from vector observations	PDF
star-wrap	Reducing, differencing and averaging angles	PDF