
Antenna Azimuth Position Control System Solution

antenna azimuth controller design - peoplearkson - antenna azimuth position control system. we analyzed the open loop and closed loop characteristics of we analyzed the open loop and closed loop characteristics of the system and determined the most stable and implementable controller for the system.

modeling and simulation of antenna azimuth position ... - 254|int. j. of multidisciplinary and current research, march/april 2014 international journal of multidisciplinary and current research research article

2.4aebp elevation-over-azimuth antenna positioner - antenna uses a predictive motion with a peak azimuth velocity of 60 degrees/sec, and acceleration at up to 60 degrees/sec². these very high speeds completely eliminate loss of signals on a worst case

5.0aebp-5m elevation-over-azimuth antenna positioner - 5.0aebp-5m elevation-over-azimuth antenna positioner three axis positioner for applications in ku band and below system features motors and gears

antenna azimuth position control with fuzzy logic and self ... - antenna azimuth position control with fuzzy logic and self-tuning fuzzy logic controllers h. ibrahim okumus¹, e. sahin², and o. akyazi³ 1dept. of electrical and electronics engineering, karadeniz technical university, trabzon/turkey

radio telescope antenna azimuth position control ... - tuiasi - 46

abdul rehman chishti et al. 1. introduction currently the modern world depends on control systems. **azimuth-track-level compensation to reduce blind-pointing ...** - one provides pointing corrections as a function of the antenna azimuth position. the look-up table is the look-up table is generated by measuring tilts of the alidade structure at selected points.

combining pid & fuzzy controllers for antenna azimuth ... - angles are most commonly specified as azimuth and elevation angles. in a small station in a small station antenna, sometimes it is needed to fix either one of the angles and control the other one.

coordinate system plotting for antenna measurements - coordinate system plotting for antenna measurements gregory f. masters nearfield systems inc. 19730 magellan drive, torrance, ca 90502-1104, usa stuart f. gregson nearfield systems inc. 19730 magellan drive, torrance, ca 90502-1104, usa abstract antenna measurement data is collected over a surface as a function of position relative to the antenna. the data collection coordinate system directly ...

antenna introduction / basics rules of thumb - typical antenna. in figure 1, bw_n is the azimuth beamwidth and bw_2 is the elevation beamwidth. beamwidth is normally measured at the half-power or -3 db point of the main lobe unless otherwise specified. see glossary. the gain or directivity of an antenna is the ratio of the radiation intensity in a given direction to the radiation intensity averaged over all directions. quite often ...

antenna rotator accurate and reliable positioning of large ... - the r&s®ro129 antenna rotator is used to position multiple antennas in the azimuth and elevation/ polarization direction. to mount antennas on the rotator, two identical flanges are provided at both ends of the elevation/polarization axis. r&s®ro129 antenna rotator at a glance ro129_dat_en_5214-3817-32dd 2 30.04.2015 13:05:59. rohde & schwarz r&s®ro129 antenna rotator 3 r&s®ro129 ...

performance evaluation of azimuth position control of a ... - research journal of engineering sciences ____ vol. 5(11), 1-8, november (2016) international science community association physical layout of the antenna azimuth position control

antenna servo control system characterization: rate loop ... - antenna servo control system characterization: rate loop analysis for 34-m antenna at dss 15 j. a. ... two major control loops of the antenna control system are the position loop and rate loop. the position loop drives the antenna based on a desired angle command. figure 1 is a functional block diagram of a typical position control loop. a major component of the position loop is the rate ...

wi-fi azimuth and position tracking: signal propagation ... - wi-fi azimuth and position tracking: signal propagation, modeling and evaluation jochen seitz, thorsten vaupel and jörn thielecke" y fraunhofer institute for integrated circuits iis, erlangen, germany

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