| neral | Ol | servat | ions c | n Nya | quist P | ots | | | | | | | | | | | |
|--------|-------------|-----------|-----------|--------------|-------------------------|----------------|------------|-----------------------|-----------|----------|---------------|---------|---|---------|----------|--------|------|
| 1). L | Uhen | s is c | n the | big cir | rcle,r- | G | (S) = O. | Therefo | ne, the | relave | nt inf | ormatic | on is c | ontaine | ed in G | (jw). | |
| | | | | | | | | | | | | | | | | | |
| | | | | equency | | | | | | | | | | | | | |
| 2). C | onsid | er Lisi | = Ons | ++be ++ae | (n>m). | When w | 20. Leje | <u>b</u> • ω) ≈ Qo | | | | | | | | | |
| 3). W | hen u | u+∞.l | Lcjw)l→(| 0 . L(jw) | <u>ba(ju</u> ≌ Qa(ju |)n = <u>ba</u> | . <u> </u> | Arq | (L(jw)) = | Arq (a) | -(<u>3</u>) | | | | | | |
| | | | | | | | | | | | | | | | | | |
| 4).Si | ince Li | -jw)= L(| jw) = L(j | wl ⇒ wh | en trace | d the N | yquist p | lot for | w>0,ca | n obtain | Nyquist | plot fi | or w <o< td=""><td>by flip</td><td>ping the</td><td>obtain</td><td>ed p</td></o<> | by flip | ping the | obtain | ed p |
| 5). To | o get t | he inter | sections | with the | real an | d imag | inary ax | is. | | | | | | | | | |
| | Ava ciud | , ° | interse | ections w | ith real | axis | | | | | | | | | | | |
| | | 13 | | | | | | | | | | | | | | | |
| A | Argijw | ofł a | intersec | tions wi | th imagin | ary axis | | | | | | | | | | | |
| A | Iterna | rively, c | an set · | to zero | the rec | ul port | and imag | jinary p | art of | L(jw) | | | | | | | |
| | 04'00 | -C TL | | ist Theo | | | | | | | | | | | | | |
| - Cuiz | Q (IOI | CF 118 | ~99 | DT THEO | | | | | | | | | | | | | |
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