| The "missing step" is as follows |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| $V_{\alpha}(t) = \iint E(l_{i}m_{i}t) dldm$ |
| but ue vill express Ellin, t) as a function of its inverse. Frurrer transform |
| Ellimit) = (E(limid) e d) |
| -> Vact) = \(\int \(\(\mathbb{L}(\mathbb{L},m,\mu) \) e \(\text{2711})t \) deldm d) |
| ¿ we'll further wite |
| $E(l_m, J) = A(l_m, J) e^{i\beta(l_m, J)}$ |
| Now $V_{a}(t) V_{b}(\lambda) = \iiint A(l_{i}m_{i}J) A^{k}(l_{i}m_{i}J') e^{ik(l_{i}m_{i}J')}$ $\frac{i\pi(x_{a}l_{b}+y_{a}m) - i\pi(x_{b}l_{b}+y_{b}m)}{e} i\pi(J') ded J^{k}(J') ded J^{k}(J')$ |
| But if there is no spatial coherence the phase term (climid) varies very vapidly (i.e., more than A(limid)) i we write |

Then

$$V_{a}(t)V_{b}^{*}(\lambda) = \int \int |A(l_{i}m_{i}\nu)|^{2} e^{i2\pi i \lambda(t-\lambda)} \frac{i(\Delta x l + s g m)}{e} dl dm d\nu$$

Therefore

this subscript means "frequency of observations".