Itala facik. Talz Aldribdow fa-below eik. Ra below in-mon  $F(R_a - \frac{1}{2}) = e^{iR \cdot \frac{1}{2}} \sum_{\substack{e \neq e \\ k \cdot R_a}} e^{iR \cdot R_a}$ And above, left is  $F(R_a + \frac{1}{2}) = e^{iR \cdot \frac{1}{2}} \sum_{\substack{e \neq e \\ k \cdot R_a}} e^{iR \cdot R_a}$   $F(R_a - \frac{1}{2}) = e^{iR \cdot \frac{1}{2}} \sum_{\substack{e \neq e \\ k \cdot R_a}} e^{iR \cdot R_a}$   $F(R_a - \frac{1}{2}) = e^{iR \cdot \frac{1}{2}} \sum_{\substack{e \neq e \\ k \cdot R_a}} e^{iR \cdot R_a}$   $F(R_a - \frac{1}{2}) = e^{iR \cdot \frac{1}{2}} \sum_{\substack{e \neq e \\ k \cdot R_a}} e^{iR \cdot R_a}$   $F(R_a - \frac{1}{2}) = e^{iR \cdot \frac{1}{2}} \sum_{\substack{e \neq e \\ k \cdot R_a}} e^{iR \cdot R_a}$ Itat = (Abdow + Auget Aryon) = (Ab+ (1-ik \frac{5}{\chi})A\_L^0 + (1+ik \frac{5}{\chi})A\_R^0)^2  $= (Ab+A_L^0 + A_R^0)^2 + (-ik + A_L^0)^2 + (ik + A_R^0)^2$ - 21 KZ (AA). A2 + 21 KZ AA. AR + 2 KZ A2. AR = Io - (F.b)<sup>2</sup> |A<sup>2</sup>|<sup>2</sup> - (F.b)<sup>2</sup> |A<sup>2</sup>| | + (K.b A) (A) - A<sup>2</sup>) = zero course imaginary? reduced Io at peak + To To AL AR  $\begin{array}{cccc}
& (A_{\perp} \cdot A_{R})_{m} & \frac{1 - e^{-ik_{1}aNg}}{e^{ik_{1}a} - 1} & \frac{(1 - e^{+ik_{1}aNg})^{*}}{(e^{-ik_{1}a} - 1)^{*}} \\
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& &$ = truncation rod, in direction downwourd!