Now to find defining differential equation for Vs, we need S de l'èr p2+M6

2+Re(172) P+Pe(TR) = 1 + MB-Re(TR)
P+Re(TR) SER CIFT (1+ 18-Re(TR)) = S(F) + SER CIFT NB-RE(TR)

PER (TR) 25 (dosing) of P.P2 Mo-Re(TR) eigr cost = (21) Some frick of before

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| Friend | Friedd | Frie Perform Monentem integration via contour integration. Im & dz z² mg-ke(Te) c izrcoso, G: () = >ke gcpdz(---) = lim [Spdz(---) + [dz (z-keie)] = 2Ti & Res For D let Z=Reil => dZ- ike ild and we have ling of durikeie (R22ie) M2-Re(TR) eikeieroso

n lim ist de Reil (Mo-Re(TR)) e ikeilerroso = Pin 2(Re(Ta)-MB) Sin (Rrcos0)) Mathematica = P=100 (COSO) Now, relat that Re(TR(O)) is symmetric around 7, and (Sin (corp)) is anti-symmetric, and cos(9) is symmetric. Wat important. La From looks of above expression evaluated numerically calso with do integral) in Mathematica, does not go to zero or some evsily perceptable combination of TUTMO. Reton to (28) = 10 sino S = p2 M3- Re(TR) = 10000 (28 Jo Jo Jo P2 + Re(TR)) = 100000 TREME (Re(TE)-ME) [Troosh (JRETE) (COSO)- ? (ci (-i JRETE) (COSO). Sinh (Sleth) 10059) + i Ci (ESPRITH) 12058) sinh (Sleth) 12059)

Decording to Mathematica when damped with e-47. = 9Re(r, Mo, J). (2+12