versberg 3.1 CPB, VP2) = gupua*, Sluzi=1 The impires discuste set of states The toppmann-Schusiger eg. is general: 1 = In + (Ex - Ho = 725) V Ex (Cipp - Schninger) expanding (projecting onto) to complete set of fee states: $T_{a}^{\pm} = \overline{q}_{a} + \Sigma \frac{(\overline{q}_{\beta}, V \overline{q}_{a}^{\pm})}{F_{a} - E_{\beta}} \overline{q}_{\beta}$ Expanding perturbatively: Ft = Fa + E - F Ex (FB, V(Fx + E - Ex + E - Ex + E) FB = \$ + 8 = - [\$, V \$] \$ + = 5 (\$, V \$) \$. = \(\frac{1}{3} + \frac{1}{3} = \frac{1}{5} + \frac{1}{5} = \frac{1}{5} + \frac{1}{5} = \frac{1}{5} + \frac{1}{5} = \fracc{1}{5} = \frac{1}{5} = \fracc{1}{5} = \fracc{1}{5} = \fracc{1} othorder 1st order 2nd order

This expansion can be carried out by seplacing $\frac{1}{\sqrt{4}}$ with $\frac{1}{\sqrt{4}} = \frac{1}{\sqrt{4}} + \frac{1}{\sqrt{4}} + \frac{1}{\sqrt{4}} + \frac{1}{\sqrt{4}} + \frac{1}{\sqrt{4}} = \frac{1}{\sqrt{4}} + \frac{1$

Up to first order, it is

I believe this is the sesult found in Qn textbooks.

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