Finalement :

$$D_\rho \mathcal{M}_{MN} = U_M{}^{\bar{M}}\, U_N{}^{\bar{N}}$$

$$\times \Big\{ y^\Sigma \Big[\partial_\rho j_{\bar{M}\bar{N}}{}^{\Sigma} + 4 A_\rho{}^{\bar{K}\bar{L},\Delta} \Delta_{\bar{N}}{}^{\bar{P}} \Big(\textcircled{M}_{\bar{K}\bar{L}|\bar{M}\bar{P}} \delta^{\Sigma\Omega} - 4 \eta_{\bar{K}[\bar{M}} T_{\bar{P}]\bar{L}}{}^{\Delta\Sigma} \Big) \Big]$$

$$+ y^\Sigma y^\Omega \Big[\partial_\rho J_{\bar{M}\bar{N}}{}^{\Sigma\Omega}$$

$$+ 4 A_\rho{}^{\bar{K}\bar{L},\Delta} j_{\bar{N}}{}^{\bar{P},\Gamma} \Big(\textcircled{M}_{\bar{K}\bar{L}|\bar{M}\bar{P}} \delta^{\Sigma\Delta}\delta^{\Gamma\Omega} - 4\eta_{\bar{K}[\bar{M}} T_{\bar{P}]\bar{L}}{}^{\Delta\Sigma} \delta^{\Gamma\Omega}$$

$$+ 2 \eta_{\bar{M}\bar{P}} T_{\bar{K}\bar{L}}{}^{\Gamma\Omega} \delta^{\Sigma\Delta} \Big)$$

$$+ 4 a_\rho{}^{\bar{K}\bar{L},\Delta\Gamma} \Delta_{\bar{N}}{}^{\bar{P}} \Big(\textcircled{M}_{\bar{K}\bar{L}|\bar{M}\bar{P}} \delta^{\Sigma\Delta}\delta^{\Gamma\Omega} - 8 \eta_{\bar{K}[\bar{M}} T_{\bar{P}]\bar{L}}{}^{\Delta\Sigma} \delta^{\Gamma\Omega} \Big) \Big] \Big\}$$

⚠ En fait $a_\rho{}^{\bar{K}\bar{L}} = 0$,

Fluct. que linéaire en A_ρ.