Aufabe 55 Wassershoffmole suil 1) - 52 (1+ 12/4 + e2 (1/2 - 1/2 - 1 - 1 - 1) \(\psi = \xi\) Hon = - = + 2 \ / - \frac{e^2}{7an} i \ \frac{e^2}{7an} i \ \frac{1}{7an} i \ \frac{e^2}{7an} i \ \frac{1}{7an} i \ \fra 111) NAZ-7 00 = T Classoz -> 0 Losung U(1/1/2) = 40 (var) 46 (vb2) } 1V) Hoz = - +2 12 - e2 Wantz = - ez ez ez 7/12-700 Wantz = - Tan 4/2 Taz - DO Hb1 = - 12 21 - e2 Losung v(rair2) = 46 (rbs) 40(raz) Gesamtlösung: 4= a Kelral 46 (162) + 6 46 (161) 4alraz) mit d'at 6 5 = 1 H-Atome wedselwinken (ein bisselen) $E = 2E_{\mu} + E$ $\psi = au + bu + E$ Einsehen in SGL, Ammehme: 4, E Wedselwinkungslerme ce (Har + Hbz + Clashz) cu + b (Haz + Ubr + Clash) v + (Har+Hbz) q= = 2 En (dee 16v) + E (au 15v) + 2 End dutter lsg des engestorten Systems LD a Warbor U+ b Warbor V + (Han 1 Han) 4 = E (by tau) + 2 En 4 (=) a (Canb2-Elc+ 6 (conton-El V+ (Han + Hb2+ 2 En 14 -0 Sir a=b = 0 lost zel Mit verteusisten Eleshonen cl (Carby-Elut 6 (Carby-Elv + (Hart Hby + 2 En) 4 =0 Sar a=b=0 lost v s

$$\int_{\mathbb{R}^{6}} \int_{\mathbb{R}^{6}} \left[c \left(C_{20}b_{2} - \mathcal{E} | U \right) \int_{\mathbb{R}^{6}} u \, dU_{1} \, dU_{2} \right] I \right]$$

$$\int_{\mathbb{R}^{6}} \int_{\mathbb{R}^{6}} \left[c \left(C_{20}b_{2} - \mathcal{E} | U \right) \int_{\mathbb{R}^{6}} u \, dU_{1} \, dU_{2} \right] I \right]$$

$$VII \left| \left(K = -e^{2} \int_{\mathbb{R}^{6}} \frac{|V_{20}|^{2} \, dV_{2}}{|V_{20}|^{2}} \, dV_{2} - e^{2} \int_{\mathbb{R}^{6}} \frac{|V_{20}|^{2} \, dV_{2}}{|V_{20}|^{2}} \, dV_{2} + e^{2} \int_{\mathbb{R}^{6}} \frac{|V_{20}|^{2} \, |V_{20}|^{2} \, dV_{2}}{|V_{20}|^{2}} dV_{2} \right]$$

$$A = -e^{2} \int_{\mathbb{R}^{6}} \frac{|V_{20}|^{2} \, dV_{2}}{|V_{20}|^{2} \, dV_{2}} \, dV_{2} - e^{2} \int_{\mathbb{R}^{6}} \frac{|V_{20}|^{2} \, |V_{20}|^{2} \, dV_{2}}{|V_{20}|^{2}} \, dV_{2}$$

$$+ \int_{\mathbb{R}^{6}} \frac{|V_{20}|^{2} \, |V_{20}|^{2} \, dV_{2}}{|V_{20}|^{2} \, dV_{2}} \, dV_{2}$$

$$+ \int_{\mathbb{R}^{6}} \frac{|V_{20}|^{2} \, |V_{20}|^{2} \, dV_{2}}{|V_{20}|^{2} \, dV_{2}} \, dV_{2}$$

$$+ \int_{\mathbb{R}^{6}} \frac{|V_{20}|^{2} \, |V_{20}|^{2} \, dV_{2}}{|V_{20}|^{2} \, dV_{2}} \, dV_{2}$$

$$+ \int_{\mathbb{R}^{6}} \frac{|V_{20}|^{2} \, |V_{20}|^{2} \, dV_{2}}{|V_{20}|^{2} \, dV_{2}} \, dV_{2}$$

$$+ \int_{\mathbb{R}^{6}} \frac{|V_{20}|^{2} \, |V_{20}|^{2} \, dV_{2}}{|V_{20}|^{2} \, dV_{2}} \, dV_{2}$$

$$+ \int_{\mathbb{R}^{6}} \frac{|V_{20}|^{2} \, |V_{20}|^{2} \, dV_{2}}{|V_{20}|^{2} \, dV_{2}} \, dV_{2}$$

$$+ \int_{\mathbb{R}^{6}} \frac{|V_{20}|^{2} \, |V_{20}|^{2} \, dV_{2}}{|V_{20}|^{2} \, dV_{2}} \, dV_{2}$$

$$+ \int_{\mathbb{R}^{6}} \frac{|V_{20}|^{2} \, |V_{20}|^{2} \, |V_{20}|^{2} \, dV_{2}}{|V_{20}|^{2} \, dV_{2}} \, dV_{2}$$

$$- \int_{\mathbb{R}^{6}} \frac{|V_{20}|^{2} \, |V_{20}|^{2} \, dV_{2}}{|V_{20}|^{2} \, dV_{2}} \, dV_{2}$$

$$- \int_{\mathbb{R}^{6}} \frac{|V_{20}|^{2} \, |V_{20}|^{2} \, dV_{2}}{|V_{20}|^{2} \, dV_{2}} \, dV_{2}$$

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$$- \int_{\mathbb{R}^{6}} \frac{|V_{20}|^{2} \, |V_{20}|^{2} \, dV_{2}}{|V_{20}|^{2} \, dV_{2}} \, dV_{2}$$

$$- \int_{\mathbb{R}^{6}} \frac{|V_{20}|^{2} \, |V_{20}|^{2}$$