

Wave operator and propagator

${}^1\mathcal{A}_{\alpha\beta}$	${}^1\mathcal{A}'_{\alpha\beta}$	${}^1f'_{\alpha\beta}$	${}^1\mathcal{A}'_{\alpha}$	${}^1\mathcal{A}_{\alpha}$	${}^1f'_{\alpha}$	${}^1f_{\alpha}$	${}^0\mathcal{A}^{\dagger}$	${}^0f^{\dagger}$	${}^0f'$	${}^0\mathcal{A}^{\dagger}$
${}^1\mathcal{A}^{\dagger}_{\dagger}{}^{\alpha\beta}$	$\frac{1}{4}(12\beta_1-10\beta_2+2(\alpha_2-\alpha_3+4\alpha_4-4\alpha_6)k^2+(\mathcal{M}_H^2))$	$\frac{4\beta_1-6\beta_2+(\mathcal{M}_H^2)}{2\sqrt{2}}$	$\frac{i(4\beta_1-6\beta_2+(\mathcal{M}_H^2))}{2\sqrt{2}}$	0	0	0	$\frac{1}{2}(2\beta_1+\beta_2+\beta_3+2k^2(2(3\alpha_1+\alpha_2-\alpha_3+\alpha_6)+\theta\psi)+(\mathcal{M}_H^2))$	$\frac{i(4\beta_1-6\beta_2+(\mathcal{M}_H^2))}{\sqrt{2}}$	0	0
${}^1\mathcal{A}'_{\dagger}{}^{\alpha\beta}$	$\frac{4\beta_1-6\beta_2+(\mathcal{M}_H^2)}{2\sqrt{2}}$	$2\beta_1-\beta_2$	$i(2\beta_1-\beta_2)k$	0	0	0	$\frac{i(4\beta_1-6\beta_2+(\mathcal{M}_H^2))}{\sqrt{2}}$	$(2\beta_1+\beta_2+3\beta_3)k^2$	0	0
${}^1f'_{\dagger}{}^{\alpha\beta}$	$\frac{i(4\beta_1-6\beta_2+(\mathcal{M}_H^2))}{2\sqrt{2}}$	$-i(2\beta_1-\beta_2)k$	$(2\beta_1-\beta_2)k^2$	0	0	0	0	0	0	0
${}^1\mathcal{A}^{\dagger}_{\dagger}{}^{\alpha}$	0	0	0	$\beta_1+\frac{1}{72}(36\beta_2+72\beta_3+\theta(k+6\psi)+18(\mathcal{M}_H^2))$	$\frac{72\beta_1+k^2(\theta+6\psi)+36(\mathcal{M}_H^2)}{72\sqrt{2}}$	$0-\frac{1}{72}i(72\beta_1+k^2(\theta+6\psi)+36(\mathcal{M}_H^2))$	${}^0\mathcal{A}^{\dagger}_{\dagger}{}^{\alpha}$	${}^0f^{\dagger}_{\dagger}{}^{\alpha}$	${}^0f'_{\dagger}{}^{\alpha}$	${}^0\mathcal{A}^{\dagger}_{\dagger}{}^{\alpha}$
${}^1\mathcal{A}'_{\dagger}{}^{\alpha}$	0	0	0	$\frac{72\beta_1+k^2(\theta+6\psi)+36(\mathcal{M}_H^2)}{72\sqrt{2}}$	$\beta_1+\frac{\beta_1+\beta_2}{2}+\frac{k^2\theta}{144}$	$0-\frac{i(72(2\beta_1+\beta_2+\beta_3)+k^2\theta)}{72\sqrt{2}}$	${}^0\mathcal{A}'_{\dagger}{}^{\alpha}$	${}^0f'_{\dagger}{}^{\alpha}$	${}^0\mathcal{A}'_{\dagger}{}^{\alpha}$	${}^0\mathcal{A}'_{\dagger}{}^{\alpha}$
${}^1f'_{\dagger}{}^{\alpha}$	0	0	0	0	0	0	${}^0\mathcal{A}^{\dagger}_{\dagger}{}^{\alpha}$	${}^0f^{\dagger}_{\dagger}{}^{\alpha}$	${}^0f'_{\dagger}{}^{\alpha}$	${}^0\mathcal{A}^{\dagger}_{\dagger}{}^{\alpha}$
${}^1f'_{\dagger}{}^{\alpha}$	0	0	0	$\frac{1}{72}i(72\beta_1+k^2(\theta+6\psi)+36(\mathcal{M}_H^2))$	$\frac{i(72(2\beta_1+\beta_2+\beta_3)+k^2\theta)}{72\sqrt{2}}$	$(2\beta_1+\beta_2+\beta_3)k^2+\frac{k^4\theta}{72}$	${}^0\mathcal{A}^{\dagger}_{\dagger}{}^{\alpha}$	${}^0f^{\dagger}_{\dagger}{}^{\alpha}$	${}^0f'_{\dagger}{}^{\alpha}$	${}^0\mathcal{A}^{\dagger}_{\dagger}{}^{\alpha}$

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$2^1 \mathcal{A}_{\alpha\beta}^I$	$2^1 \mathcal{I}_{\alpha\beta}^I$	$2^1 \mathcal{A}_{\alpha\beta X}^I$	$2^1 \mathcal{A}_{\alpha\beta}^{II}$	$2^1 \mathcal{I}_{\alpha\beta}^{II}$	$2^1 \mathcal{A}_{\alpha\beta X}^{II}$
$\frac{8}{4k^2(-3\alpha_1+4\alpha_2+4\alpha_3+2\theta+\varphi^2)(M_1M_2^2)+\frac{(M_1M_2^2)}{2\beta_1+\beta_2}}$	$+\frac{2i\sqrt{2}(4\beta_1+2\beta_2\cdot(M_1M_2^2))}{i(4(2\beta_1+\beta_2)k^2(3\alpha_1+4\alpha_2+4\alpha_3-2\theta-2(2\beta_1+\beta_2)(M_1M_2^2)+M_1M_2^2))}$	0	$2^1 \mathcal{A}^I \uparrow^{\alpha\beta} \left[\frac{1}{4} (4\beta_1+2\beta_2+2k^2(-3\alpha_1+4\alpha_2+4\alpha_3+2\theta+\varphi^2)-(M_1M_2^2)) - \frac{i(4\beta_1+2\beta_2\cdot(M_1M_2^2))}{2\sqrt{2}} \right]$	0	
$\frac{2i\sqrt{2}(4\beta_1+2\beta_2\cdot(M_1M_2^2))}{k(2(2\beta_1+\beta_2)(6\alpha_1+k^2+2k^2(3\alpha_1+4\alpha_2+4\alpha_3-2\theta+\varphi^2)(M_1M_2^2)+(M_1M_2^2)))}$	$k^2(4(2\beta_1+\beta_2)k^2(3\alpha_1+4\alpha_2+4\alpha_3-2\theta-2(2\beta_1+\beta_2)(M_1M_2^2)+M_1M_2^2))$	0	$2^1 \mathcal{I}^I \uparrow^{\alpha\beta} \left[\frac{i(4\beta_1+2\beta_2\cdot(M_1M_2^2))}{2\sqrt{2}} \right]$	$(2\beta_1+\beta_2)k^2$	0
0	0	$\frac{4}{4\beta_1+2\beta_2+2k^2(-2\alpha_1+\theta+\varphi^2)(M_1M_2^2)}$	0	0	$\frac{1}{4} (4\beta_1+2\beta_2+2k^2(-2\alpha_1+\theta+\varphi^2)\cdot(M_1M_2^2))$

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