Progress variable coefficients for methane-air combustion over flammability limits (premixed flames database), nonnormalized Y_c (method A.2 of Table 1).

Species	α_i	Species	α_i	Species	α_i
H ₂	-11.796243	CH₃O	-0.000922	HNO	-0.107832
Н	-13.942108	CH ₃ OH	-0.070185	CN	-0.008921
0	-9.108564	C_2H	-0.036843	HCN	-14.041268
02	-141.121057	C_2H_2	-26.780023	H_2CN	-0.000074
OH	-170.273630	C_2H_3	-0.010588	HCNN	-0.000085
H_2O	7.175836	C_2H_4	2.918515	HCNO	-0.015065
HO_2	-0.049467	C_2H_5	-0.000730	HOCN	-0.020636
H_2O_2	-0.006776	C_2H_6	-0.123686	HNCO	-6.62610
С	-0.107610	HCCO	-0.303510	NCO	-0.019038
CH	-0.029366	CH_2CO	-1.114097	N_2	-35.335543
CH_2	-0.289280	HCCOH	-0.168362	C_3H_7	-0.000001
$CH_2(S)$	-0.015561	Ν	-0.063930	C_3H_8	0.000076
CH_3	-7.586523	NH	-0.125385	CH ₂ CHO	-0.000106
CH_4	-51.729868	NH_2	-0.789434	CH₃CHO	-0.00013
CO	41.153269	NH_3	-54.222633		
CO ₂	14.055458	NNH	-0.000648		
HCO	-0.073334	NO	-17.716413		
CH ₂ O	-1.248240	NO_2	0.130901		
CH ₂ OH	-0.028610	N_2O	-0.350673		