

Total	Count	Including Array Elements
Variables	28	28
Stocks	4	4
Flows	4	4
Converters	20	20
Constants	6	6
Equations	18	18
Graphicals	0	0

	Equation	Properties	Units	Docum entat ion	Anno tati on
Models:					
"Income_1 = Yt_1" (t)	"Income_1 = Yt_1"(t - dt) + ("Chg_Income_1 = Yt_1") * dt	INIT "Income_1 = Yt_1" = 0	Dolla rs Per Year		
"Income_2 = Yt_2" (t)	"Income_2 = Yt_2"(t - dt) + ("Chg_Income_2 = Yt_2") * dt	INIT "Income_2 = Yt_2" = "Income_1 = Yt_1"	Dolla rs Per Year		
"National_Income_ Y(t)"(t)	"National_Income_Y(t)"(t - dt) + ("d_Y(t)/_d_t") * dt	INIT "National_In come_Y(t)" = "Government_ Expenditure_ = _gt"	Dolla rs Per Year		
"X(t)"(t)	"X(t)"(t - dt) + ("d_X(t)/_d_t") * dt	INIT "X(t)" = "Government_ Expenditure_ = _gt"	Dolla rs Per Year		
"Chg_Income_1 = Y t_1"	(IF TIME = INT(TIME) THEN ("National_Income = Yt"- "Income_1 = Yt_1")/DT ELSE 0)		Dolla rs Per Year/ Year		
"Chg_Income_2 = Y t_2"	(IF TIME = INT(TIME) THEN ("Income_1 = Yt_1"- "Income_2 = Yt_2")/DT ELSE 0)		Dolla rs Per Year/ Year		
"d_X(t)/_d_t"	("Government_Expenditure = _gt"/("Propensity _to_Consume = Alpha"*"Incremental_Capital_O utput_Ratio = Beta") + (("Propensity_to_Consume = Alpha"- 1)/("Propensity_to_Consume = Alpha"*"Incr emental_Capital_Output_Ratio = Beta"))*"Natio nal_Income_Y(t)" + (("Incremental_Capital_Output_Ratio = Beta" -1) /"Propensity_to_Consume = Alpha")*"X(t)") / "Time_to_Chge_X(t)"		Dolla rs Per Year/ Year		

"d_Y(t)/_d_t"	"X(t)" / "Time_to_chge_Y(t)"		Dollars Per Year/Year		
"Consumption = Ct"	"Propensity_to_Consume = Alpha"*"Income_1 = Yt_1"		Dollars Per Year		
"Consumption_C(t)"	"Propensity_to_Consume = Alpha"*("National_Income_Y(t)"-"d_Y(t)/_d_t")		Dollars Per Year		
Ct	"Propensity_to_Consume = Alpha"*"Yt-1"		Dollars Per Year		
"Ct-1"	DELAY(Ct, 1, Ct)		Dollars Per Year		DELAY CONVERTER
"Government Expenditure = gt"	1 + 0*STEP(.2, 3)		Dimensionless		
"Income_1 = Yt_1"	IF TIME = INT(TIME) THEN "Income_1 = Yt_1" ELSE "Lagged_Income_1 = Yt_1"		Dollars Per Year		
"Income_2 = Yt_2"	IF TIME = INT(TIME) THEN "Income_2 = Yt_2" ELSE "Lagged_Income_2 = Yt_2"		Dollars Per Year		
"Incremental Capital Output Ratio = Beta"	1		Dimensionless		
"Investment = It"	"Propensity_to_Consume = Alpha"*"Incremental Capital Output Ratio = Beta"*("Income_1 = Yt_1"-"Income_2 = Yt_2")		Dollars Per Year		
"Investment_I(t)"	"Propensity_to_Consume = Alpha"*"Incremental Capital Output Ratio = Beta"*("X(t)"-"d_X(t)/_d_t" * "Time_to_Chge_X(t)")		Dollars Per Year		
It	"Incremental_Capital_Output_Ratio = Beta"*("Ct-"Ct-1")		Dollars Per Year		
"Lagged_Income_1 = Yt_1"	DELAY("Income_1 = Yt_1", 1 , "Income_1 = Yt_1")		Dollars Per Year		
"Lagged_Income_2 = Yt_2"	DELAY("Income_2 = Yt_2", 1 , "Income_2 = Yt_2")		Dollars Per Year		
"National_Income = Yt"	"Government_Expenditure = gt"+"Consumption = Ct"+"Investment = It"		Dollars		

			Per Year		
"Propensity_to_Consume=_Alpha"	0.5		Dimensionless		
"Time_to_Chge_X(t)"	1		Year		
"Time_to_chge_Y(t)"	1		Year		
Yt	"Government_Expenditure=_gt"+Ct+It		Dollars Per Year		
"Yt-1"	DELAY(Yt, 1, 0)		Dollars Per Year		DELAY CONVERTER
Zero	0		Dimensionless		