The Mathematical Model

\[
\frac{dM_1(a)}{da} = A_1 M_2(a) - A_2 M_1^2(a)
\]

\[
\frac{dM_2}{da} = B_1 M_1(a) - B_2 M_2(a) - B_3 M_2^2(a)
\]

\[
\frac{dM_3}{da} = C_1 M_1(a) - C_3 M_3(a)
\]

\[c_1 = -\ln(1 - G_1 \times C_1)\]

\[c_2 = -\ln(1 - G_2 \times C_2)\]
Conclusions
A mathematical model of taenia-cysticercosis is based upon the life cycle of the parasite.
The model can be adapted to any given community with mild, moderate endemicity, or even in hyperendemic regions.