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Research Articles

(*Continued*)

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Effects of c

Infection of human immunode
healthy CD4+ T-cells in a wel
matical model is considered to
transcription plus protease inh
This model is used to explain
steady states in HIV growth. A
(VIM), is used to solve the ma
rapidly convergent successive
tions are obtained without any
physical behavior of the proble
illustrate the effects of propose

Keywords: HIV infection; CD4
cacy.

Mathematics Subject Classifica

1. Introduction

Human immunodeficiency vir
hallmark is the reverse transcr
of gp120 protein of HIV on ho
is a 55-kDa protein found on
helper function in the immun
cytes/macrophages and dendri
undergoes a conformational ch