
```
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% Case Study 1
```

```
% similar to other but handles cases where  $C(x) = c/x$  and  $D(x) = d/x$ 
function dsdt = system_x(t, sys, r, a, b, m, c, d)
    % system
    dsdt = [r * sys(1) - a * sys(1) * sys(2) + c / sys(1);
           %  $dx = rx - axy + c$ 
           b * sys(1) * sys(2) - m * sys(2) + d / sys(2)];
    %  $dy = bxy - my + d$ 
end
```

```
Not enough input arguments.
```

```
Error in system_x (line 7)
    dsdt = [r * sys(1) - a * sys(1) * sys(2) + c / sys(1);
```

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