
```
function [y,t] = eulercauchy(ode,initial,t0,t_end,N)
% initial muss ein Zeilenvektor sein!
dim = length(initial);
delta = (t_end-t0)/N ;
t = t0:delta:t_end;
y = [initial(:), zeros(dim,N-1)];

for i=2:N+1
    y(:,i) = y(:,i-1)+delta*ode(y(:,i-1),t(i-1)) ;
end
end
```

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