
```
function Cbn = timeRotation(t)

Cbn = [cos(t), sin(t) * sin(t^2), sin(t) * cos(t^2); ...
       0, cos(t^2), -sin(t^2); ...
       -sin(t), cos(t) * sin(t^2), cos(t) * cos(t^2)];

end
```

Published with MATLAB® R2022a