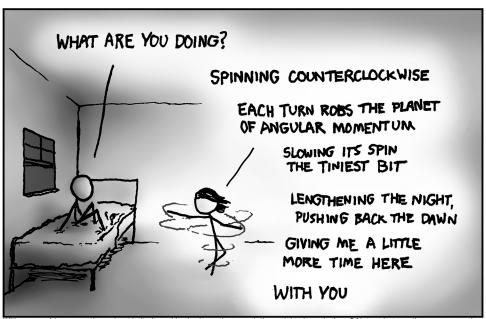
$$t_{\text{gained}} = \frac{I_{\text{gained}}}{I_{\text{earth}}} n^{x \text{ day}} \approx \frac{60 \text{ kg} \times (30 \text{ cm})^2}{M_{\text{earth}} \Gamma_{\text{earth}}^2} n \times 1 \text{ day} \approx 10^{-35} \text{ seconds} turn$$



With reasonable assumptions about latitude and body shape, how much time might she gain them? Note: whatever the answer, sunrise always comes too soon. (Also, is it worth it if she throws up?)

$$\begin{bmatrix} \cos 90^{\circ} & \sin 90^{\circ} \\ -\sin 90^{\circ} & \cos 90^{\circ} \end{bmatrix} \begin{bmatrix} \alpha_{1} \\ \alpha_{2} \end{bmatrix} = \begin{bmatrix} \Omega & \Omega \\ \Omega_{2} \end{bmatrix}$$

In fact, draw all your rotational matrices sideways. Your professors will love it! And then they'll go home and shrink.

I CAN'T COUNT HOW MANY PEOPLE HAVE WRITTEN INTO TELL ME THE DIRECTION OF ROTATION IS WRONG HERE. THEY SHOULD CHECK THE SIGNS 1120 MORE CAREFULLY.

("SHRINK" IN THE TITLE-TEXT, HOWEVER, WAS A TYPO. IT WAS SUPPOSED TO BE "DRINK," BUT I'VE LEFT IT BECAUSE OF (1)[a,])