35. Topic 4: Thom isomorphism and the Todd class
In place of lecture for Monday, 18 November, 2008

For any complex/symplectic vector bundle, $W \longrightarrow Y$, the diagram

$$\begin{array}{ccc} \mathrm{K}_{\mathrm{c}}^{0}(W) & \xrightarrow{\mathrm{Ch}\wedge\mathrm{Td}(W)} & \mathrm{H}_{\mathrm{c}}^{\mathrm{even}}(W) \\ \Big\downarrow{\scriptstyle \mathrm{Thom}} & & \Big\downarrow{\scriptstyle \mathrm{Thom}} \\ \mathrm{K}^{0}(Y) & \xrightarrow[\mathrm{Ch}]{} & \mathrm{H}^{\mathrm{even}}(Y) \end{array} \tag{35.1}$$

commutes.