



$\tilde{H}_r : sta$

# SÉMINAIRE MOSAR

**28 novembre 2014**

$$\mathcal{D}^2 C_r (-\hat{\lambda}_r E_r - A_r)^{-1} E_r (-\mu E_r - A_r)^{-1} E_r (-\hat{\lambda}_r E_r - A_r)^{-1} B_r$$

$$c^T H(\sigma + \varepsilon) b - c^T H_r(\sigma + \varepsilon) b = O(\varepsilon^2)$$

$$((\sigma + \varepsilon)E - A)^{-1} = (\sigma E - A)^{-1} - \varepsilon(\sigma E - A)^{-1} E (\sigma E - A)^{-1} +$$

$$((\sigma + \varepsilon)E_r - A_r)^{-1} = (\sigma E_r - A_r)^{-1} - \varepsilon(\sigma E_r - A_r)^{-1} E_r (\sigma E_r - A_r)^{-1}$$