Advanced Topics in Set Theory

2004/2005; 1st Semester
dr Benedikt Löwe

Homework Set # 7   *Deadline:* November 11th, 2004

Exercise A.
Assume AD and $\mathsf{AC}_{\mathbb{R}}(\mathbb{R})$. Prove for every natural number n, that $\mathsf{AD}_{\omega}[\omega \cdot n]$ holds.

Exercise B.
Let Γ be the class of all sets C that are the difference of open sets (*i.e.*, $C = B \backslash A$ for some open sets A and B). Show that $\mathsf{Det}(\Gamma)$ holds.

Exercise C.
Exercise 8.68 from Andretta's book.