Dror Bar-Natan: Academic Pensieve: Classes: 17-SummerHomology:

| Fifth | Meeting |
|-------|---------|
| | |

June 30, 2017 1:29 PM

Excision $A \subset X$, $V \subset A = pen V / V \subset infA =$ $H_*(X-V,A-V) \xrightarrow{\sim} H_*(X_{I}A)$

 $H_{n-1}(S^{n-1}) \stackrel{\sim}{=} H_n(D^n, S^{n-1}) \stackrel{\sim}{=} H_n(D^n, A^n) \stackrel{\sim}{=} H_n(S^n, D^n) \stackrel{\sim}{=} H_n(S^n)$ LES OF (D^n, S^{n-1}) horotopy @ sands $\stackrel{\sim}{=} \text{Excision}$ L.E.S. OF (S^n, D^n)

Continue as in Accra: Day 5: Proof of Excision.