



Lewis & Clark College

Department of Mathematical Sciences

Problem of the Week #11 (Fall 2011)

Evaluate

$$\frac{1}{1^3} + \frac{1}{1^3 + 2^3} + \frac{1}{1^3 + 2^3 + 3^3} + \cdots + \frac{1}{1^3 + 2^3 + \cdots + n^3} + \cdots$$

Please justify your answer.

- We are thankful to Professor Roger Nelsen who suggests this problem.
- Solvers should include their name, address, and status at the College. Solutions can be mailed to MSC 110 via campus mail or placed in Yung-Pin Chen's mailbox in the Math Department Office. Solutions to the above *Problem of the Week* should be received by 5:00 p.m. Monday, November 21, 2011.
- Colin Ehr (so.) solved *Problem of the Week* #10. Congratulations to him.