

July 7, 1986

Dear Feza,

I was unable to finish the promised paper before leaving.

I thought I had discovered a discrepancy in Witten's non abelian bosonization paper. I then resolved the discrepancy by noting that the constant in front of Witten's stress-energy tensor, as given in Sugawara form, must be changed. I could then partially solve Witten's model for the Green Functions.

However, after doing this I discovered that it was all done by Knizhnik and Zamolodchikov in 1984 (Nuclear Physics B247 83) and is well known to Jim Lowell Brown's phrase, "those who know it well."

What I am trying to do now is to confirm this calculation of the Russians (they sometimes jump too quickly to conclusions, according to Shankar). If they are right then I am back where I wanted to be - namely at a place where I can use the Radon transform.

I will try to get this straightened out at Aspen. I apologize for letting you down, but I tried my best.

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