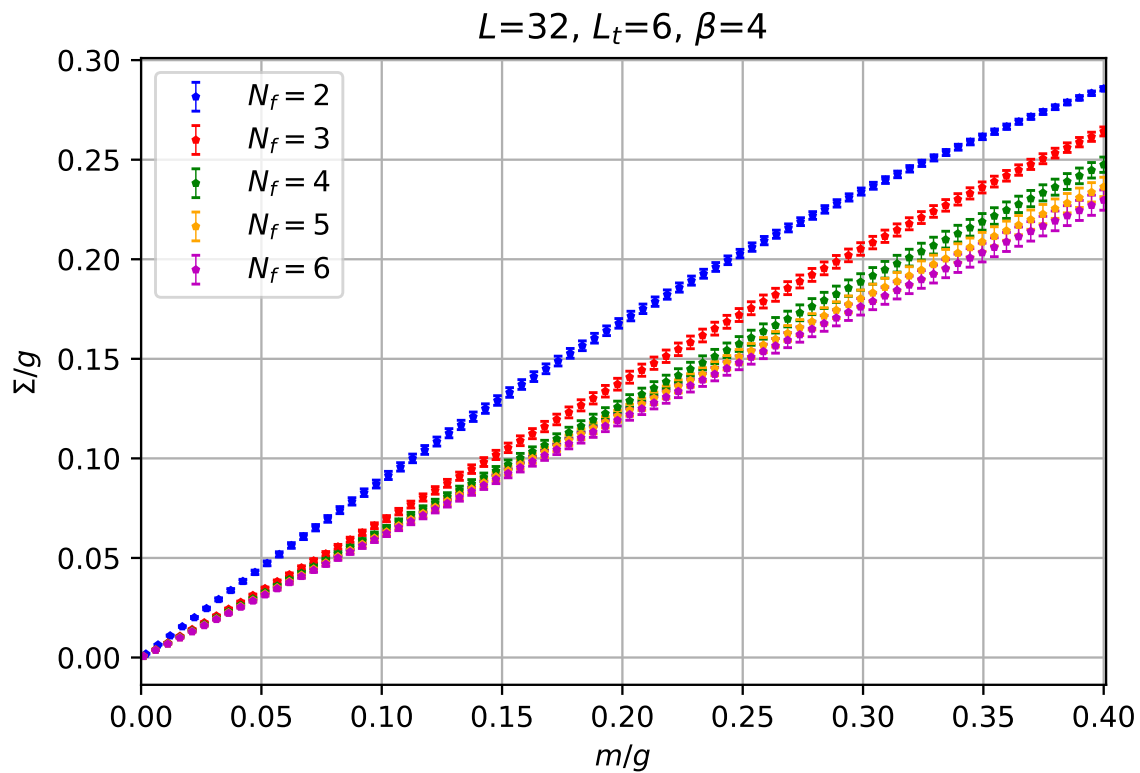
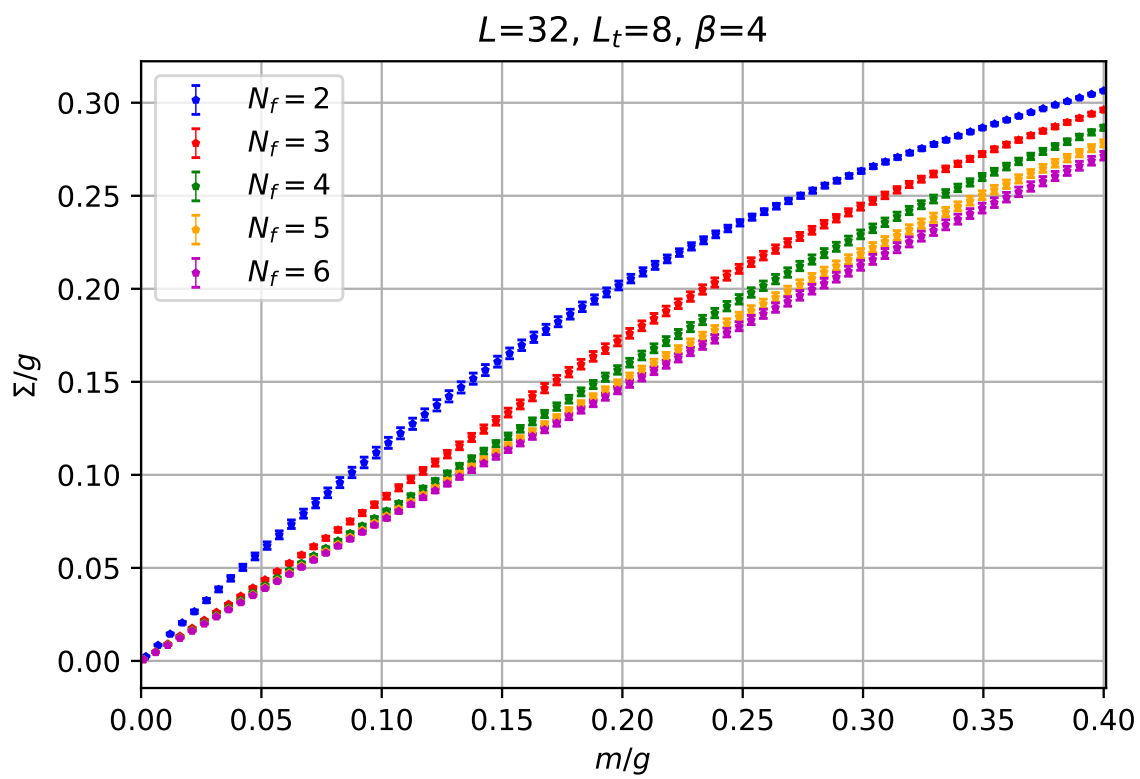


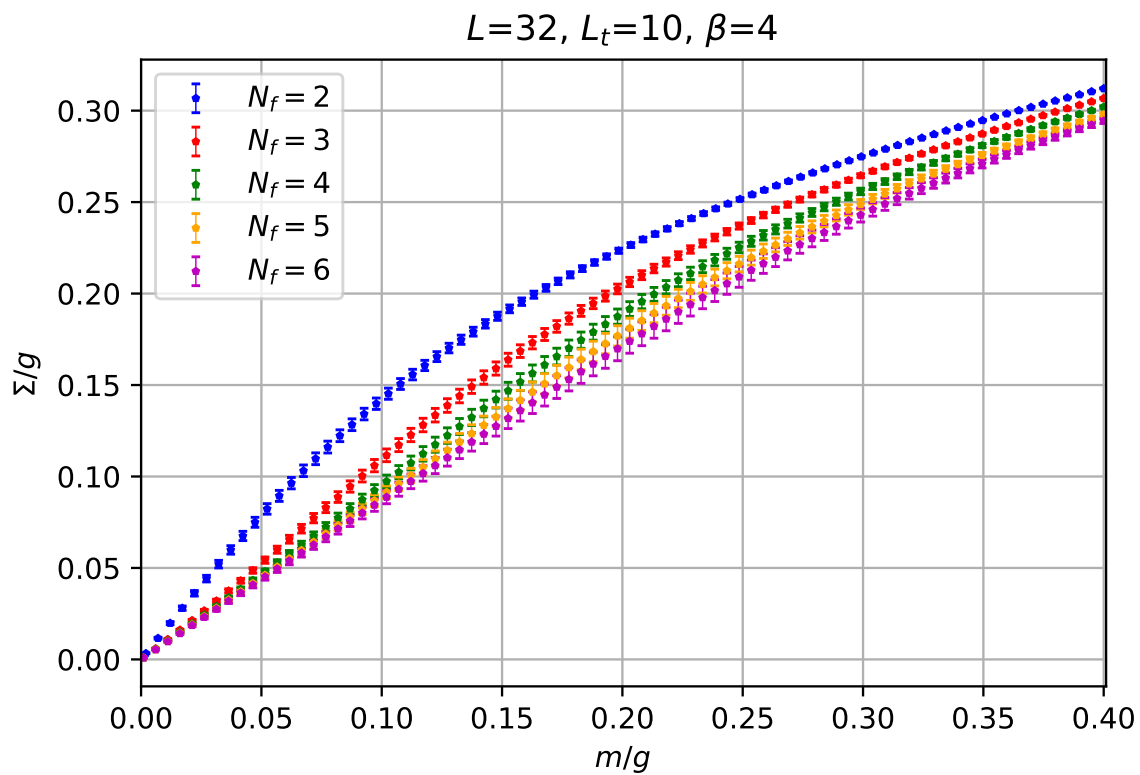
June 15, 2022



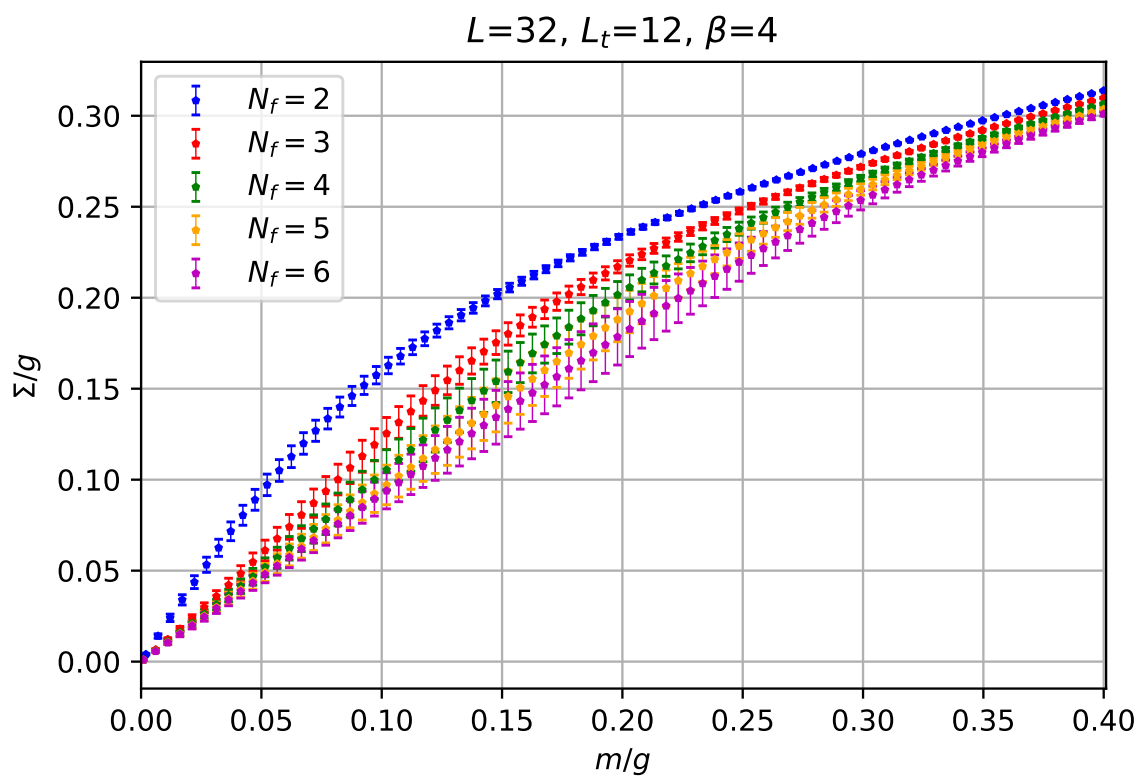
(a)



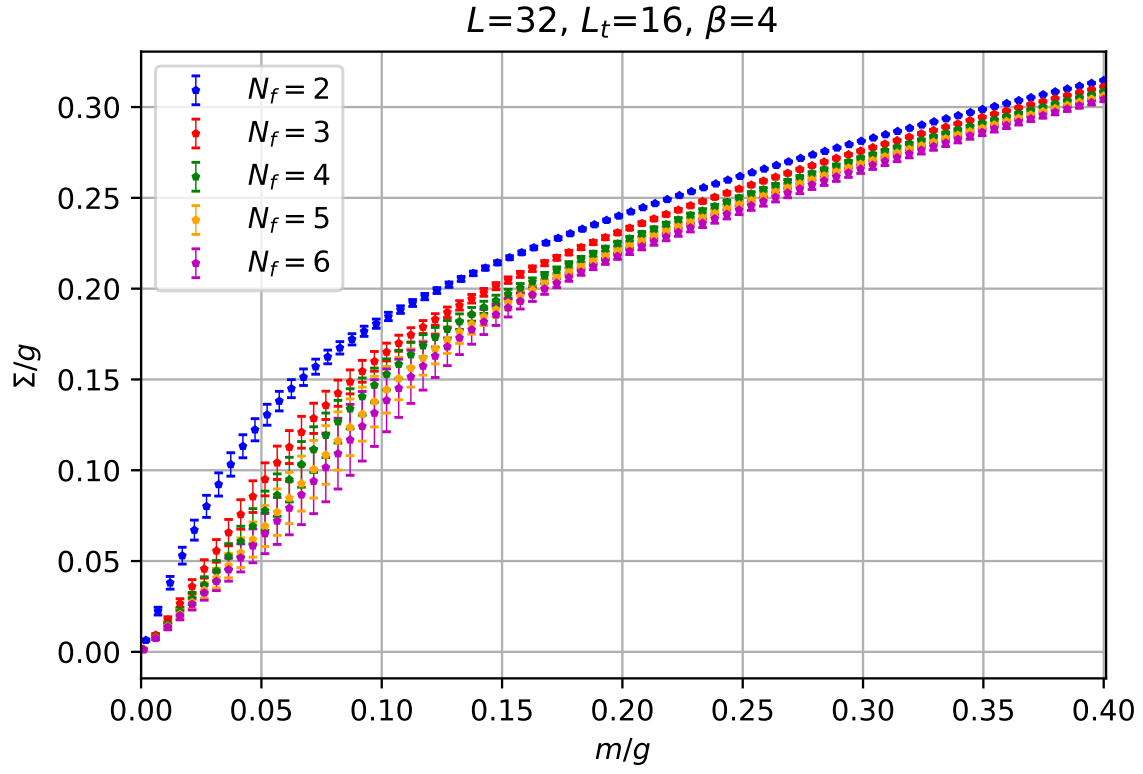
(b)



(c)

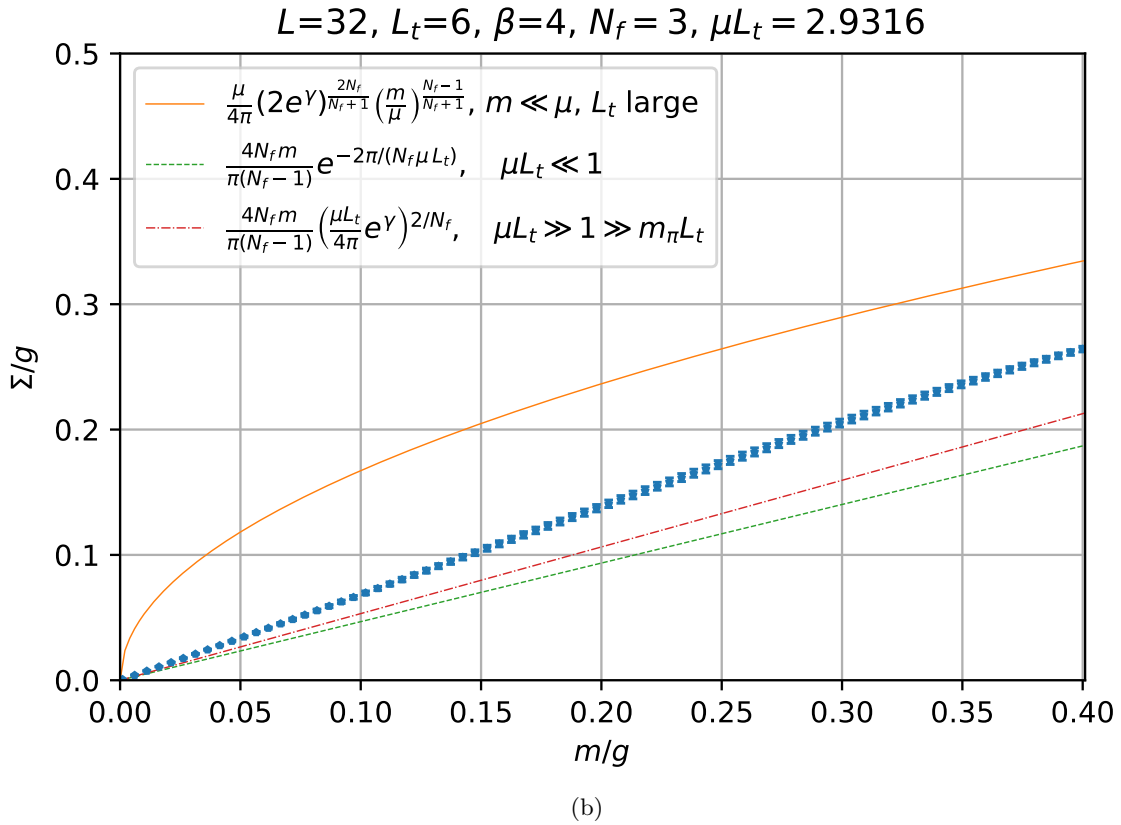
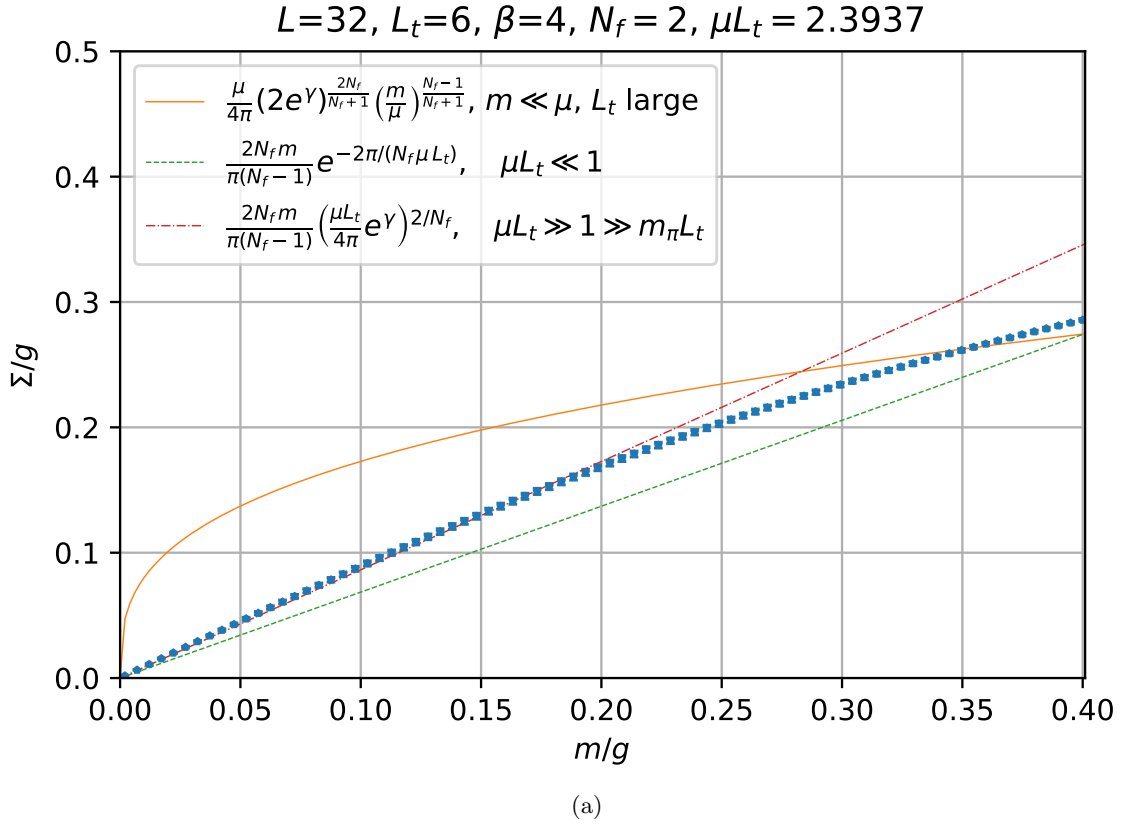


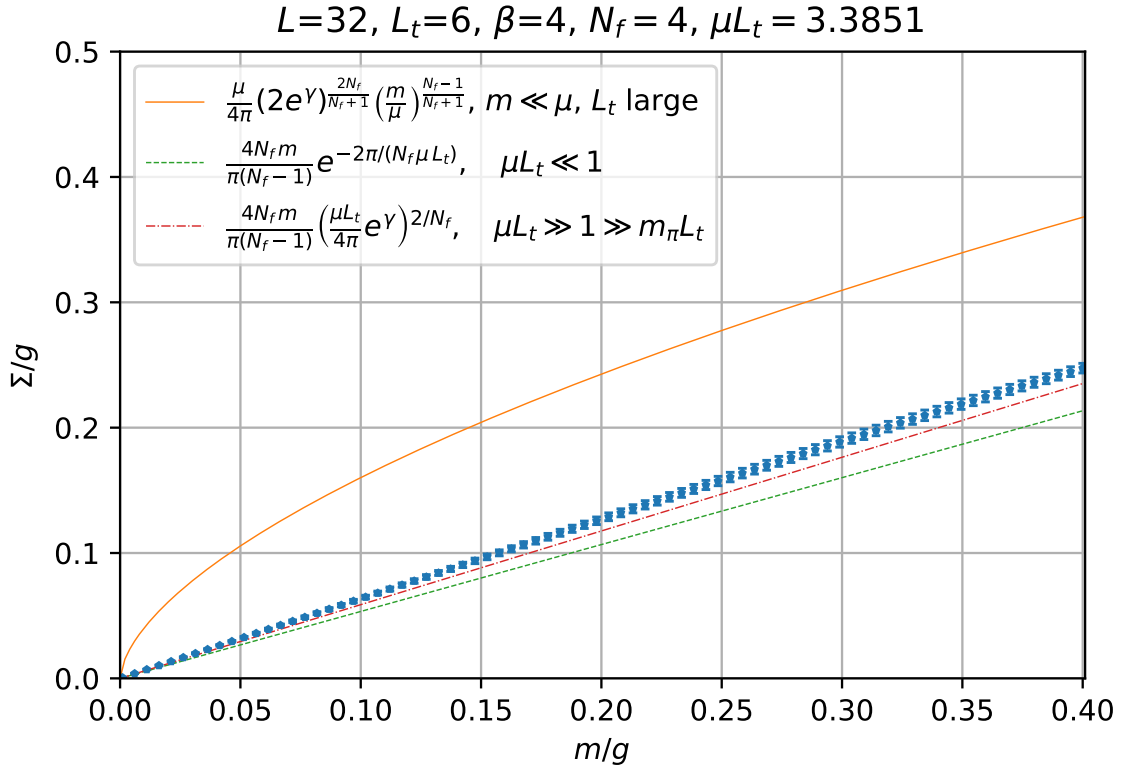
(d)



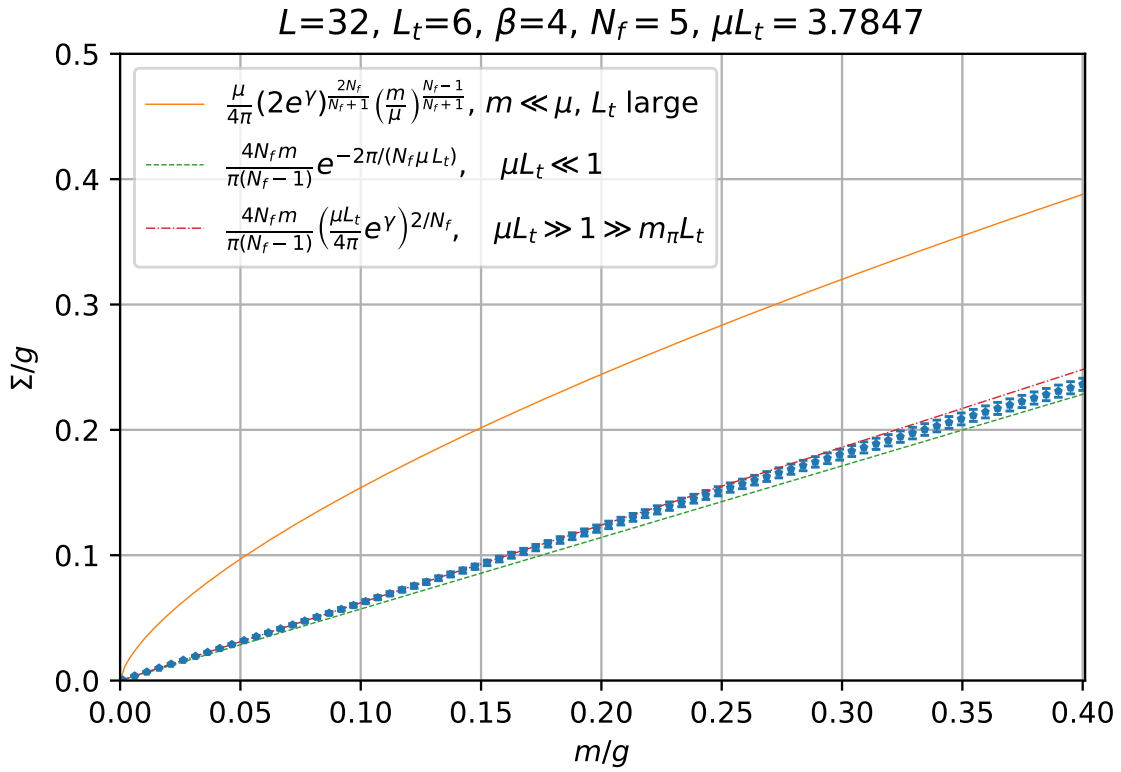
(e)

Figure 1: Chiral condensate as a function of the degenerate fermion mass for different flavors.

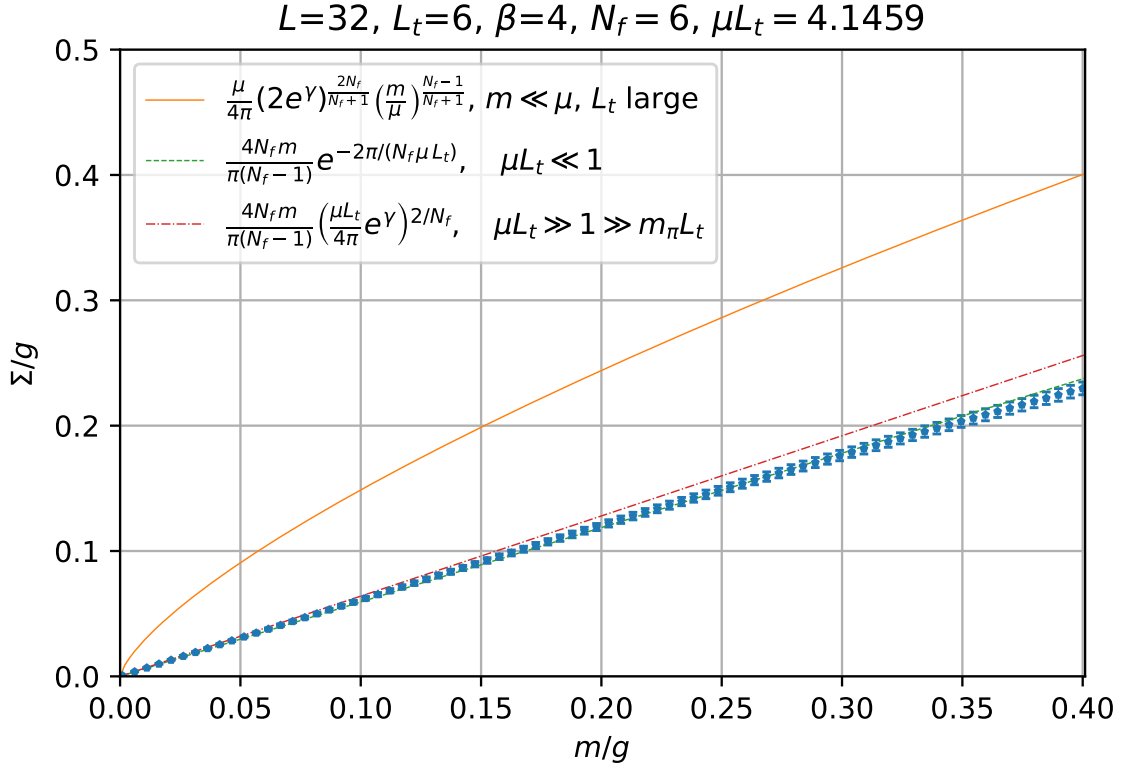




(c)

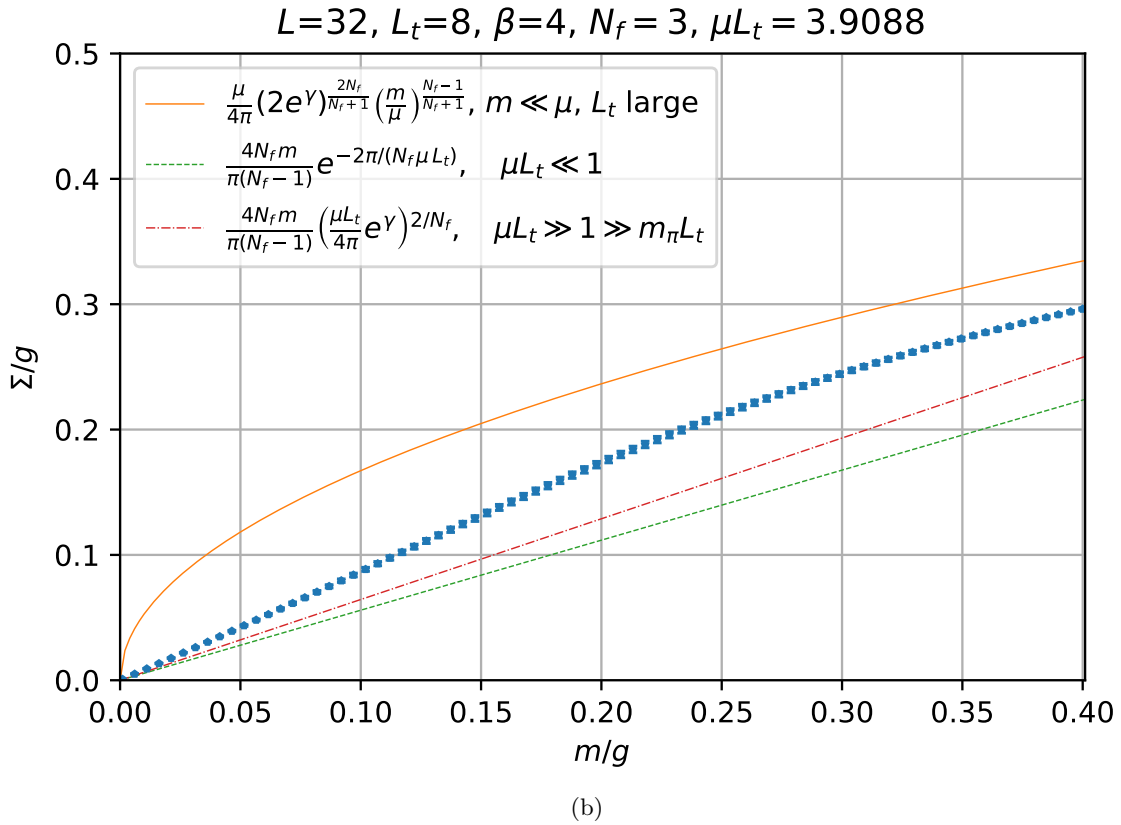
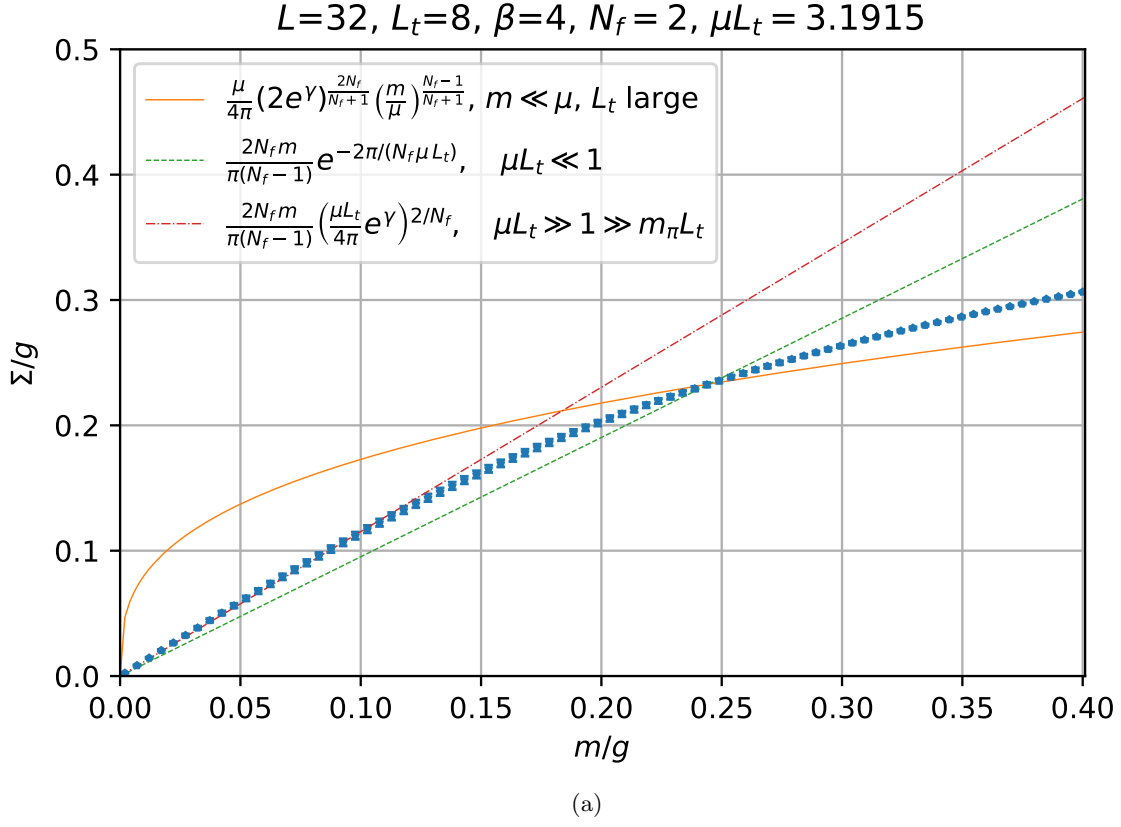


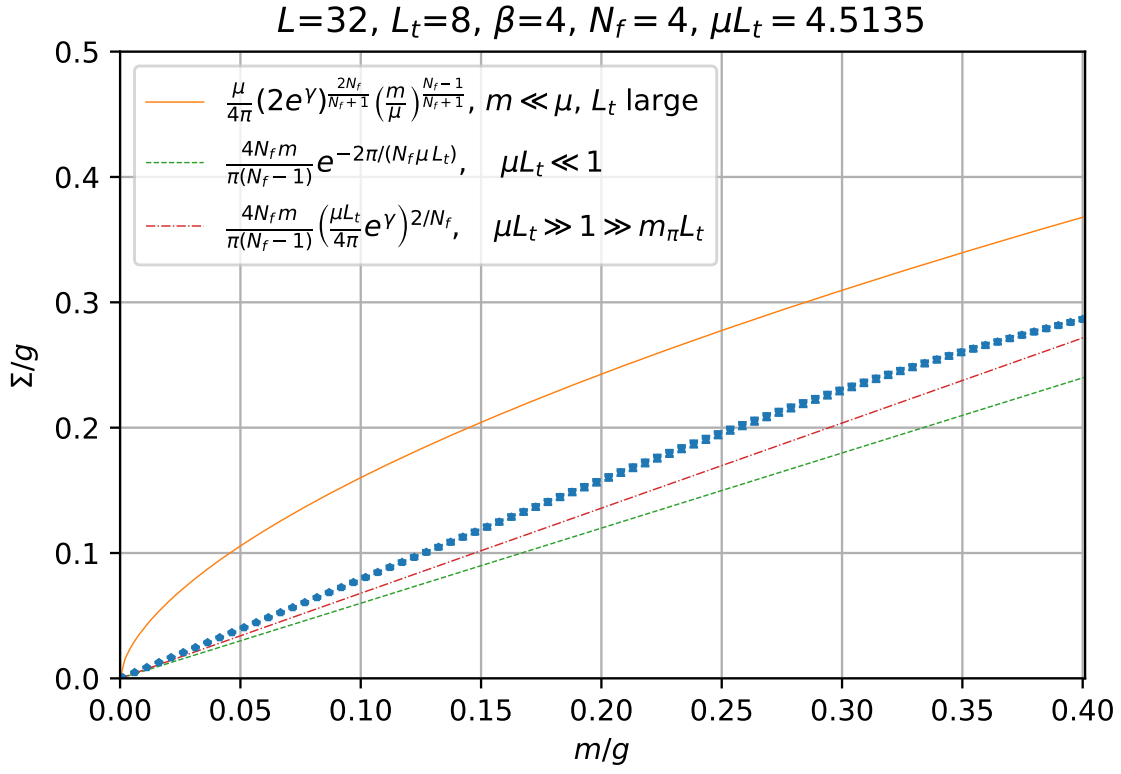
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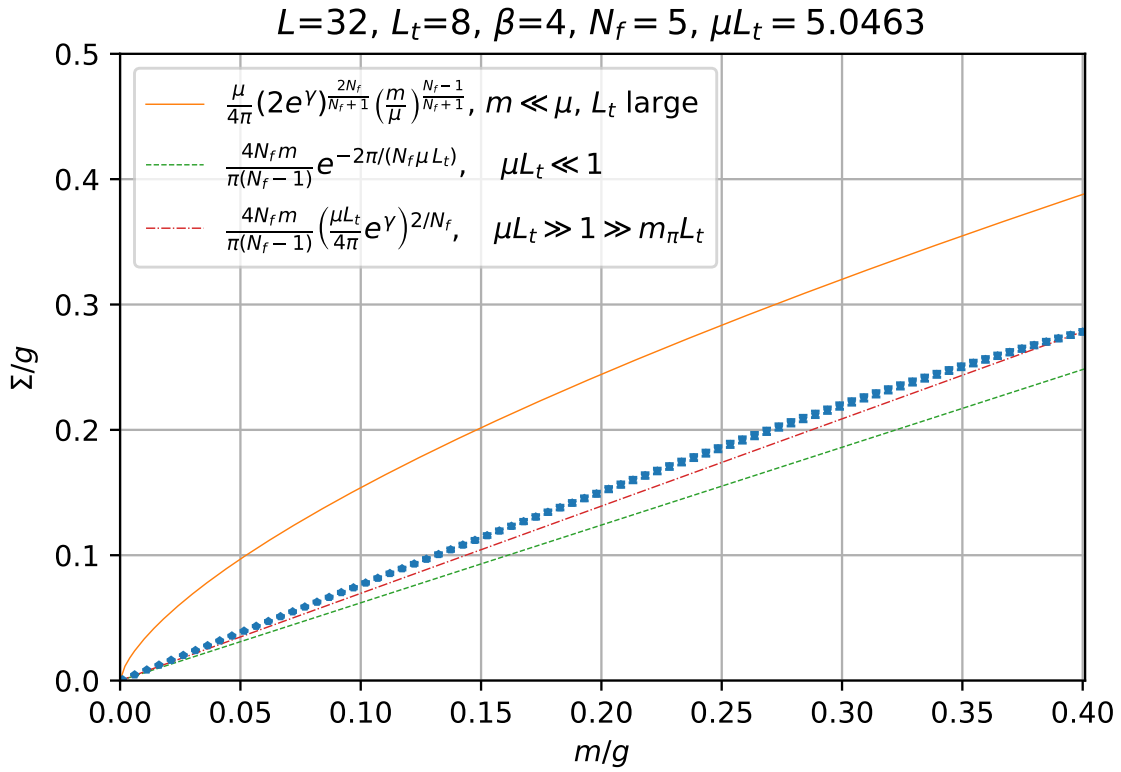
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Figure 2: Chiral condensate as a function of the degenerate fermion mass for different flavors. We compare with the prediction by Hosotani.

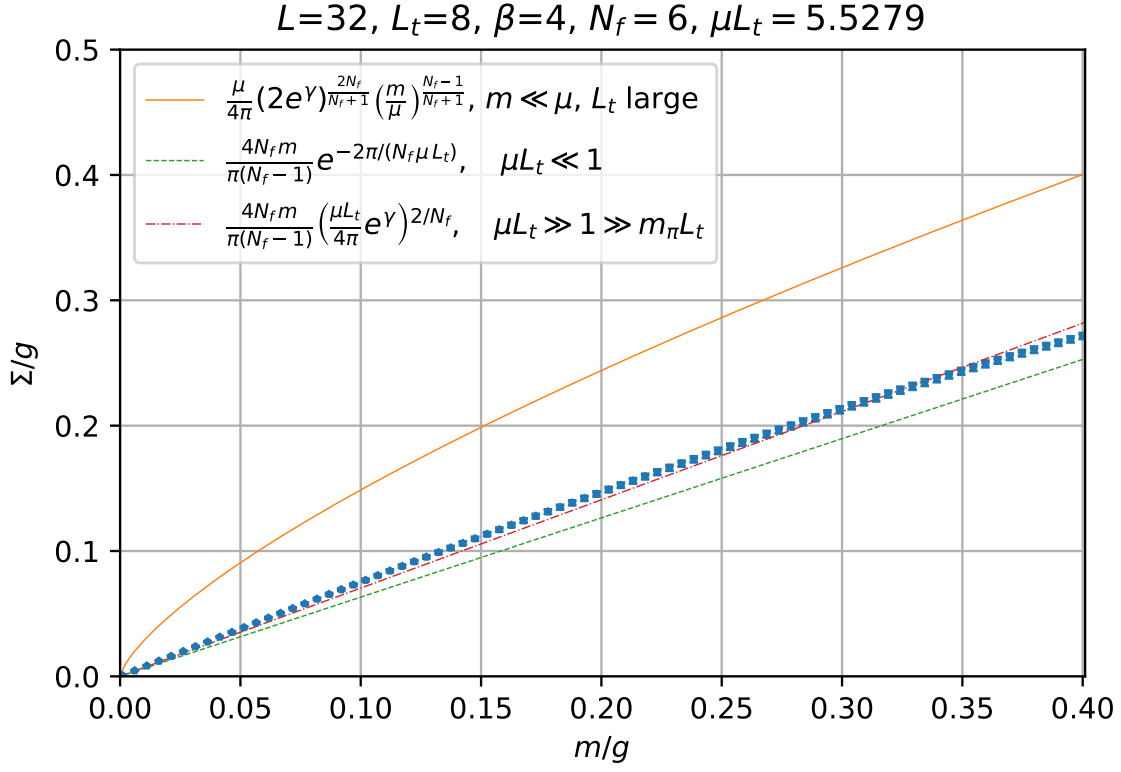




(c)

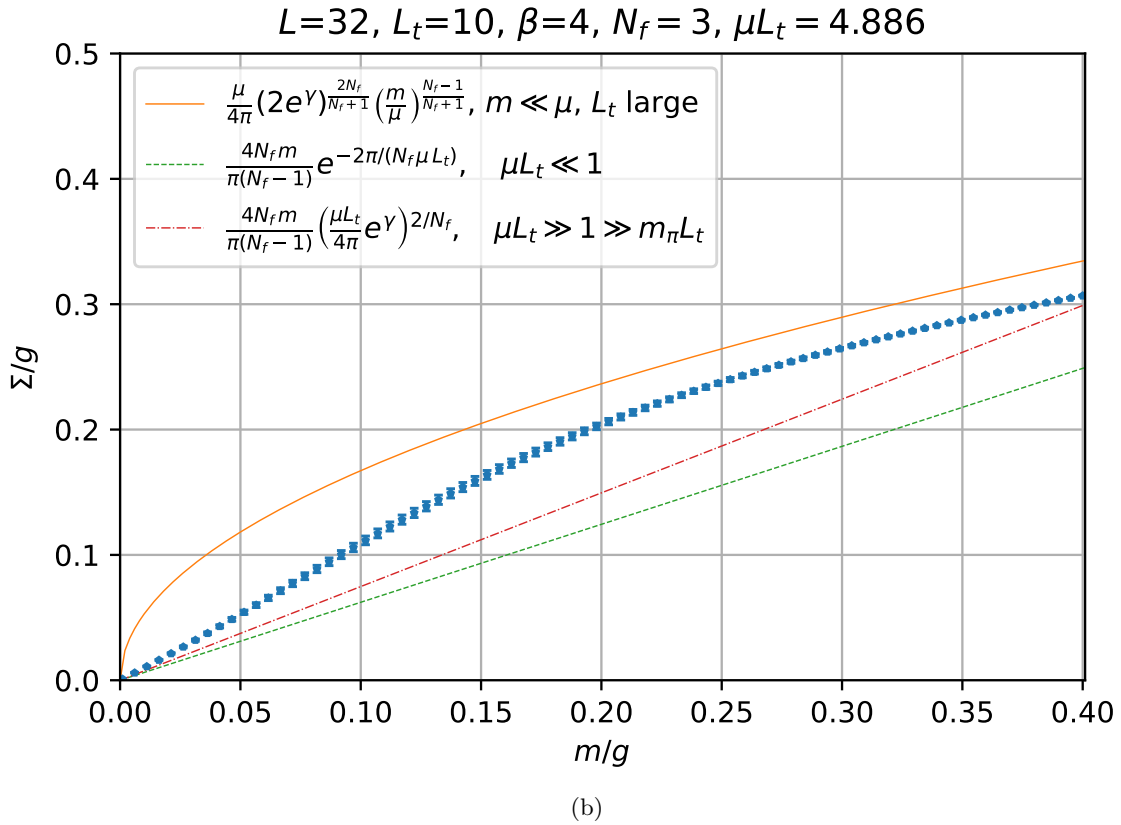
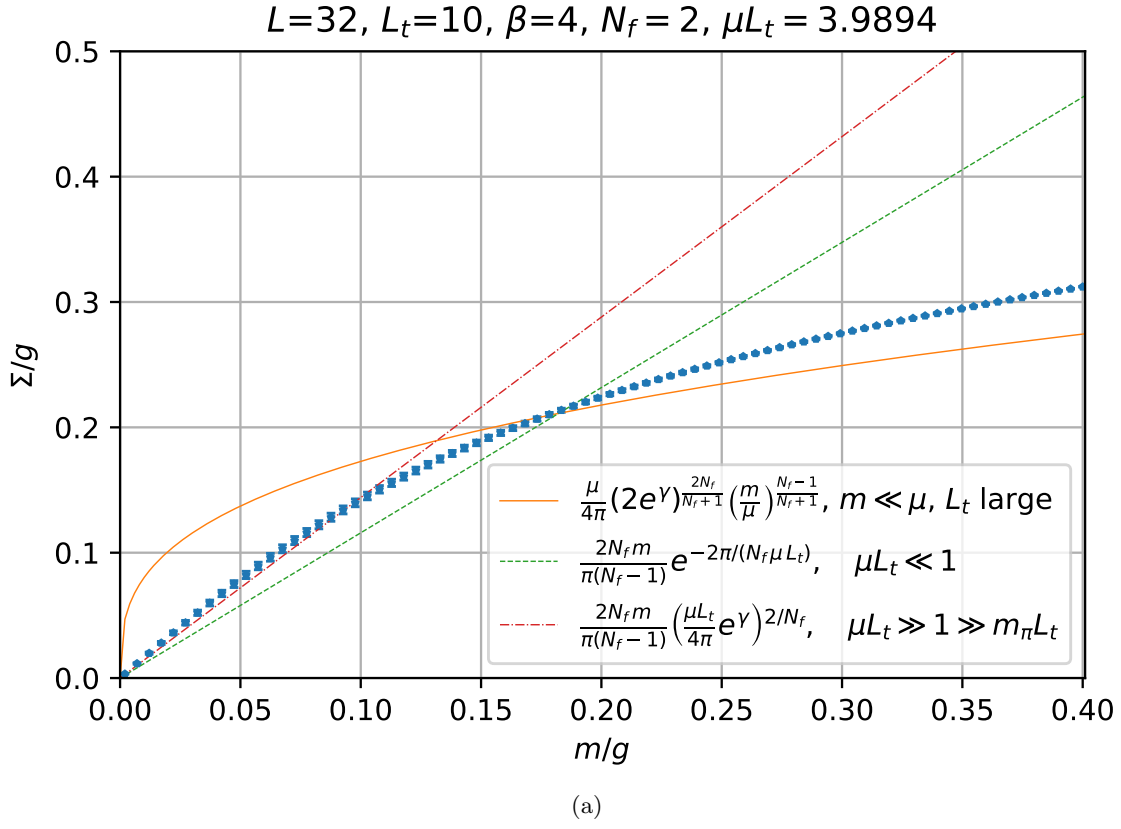


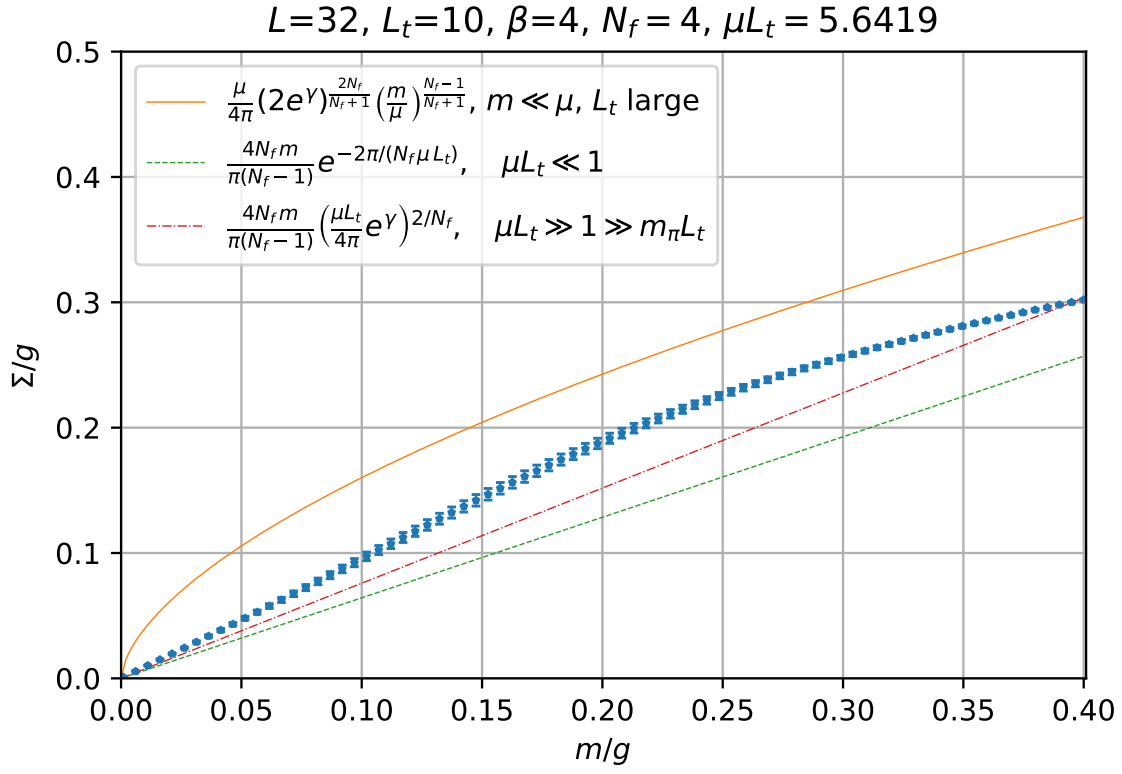
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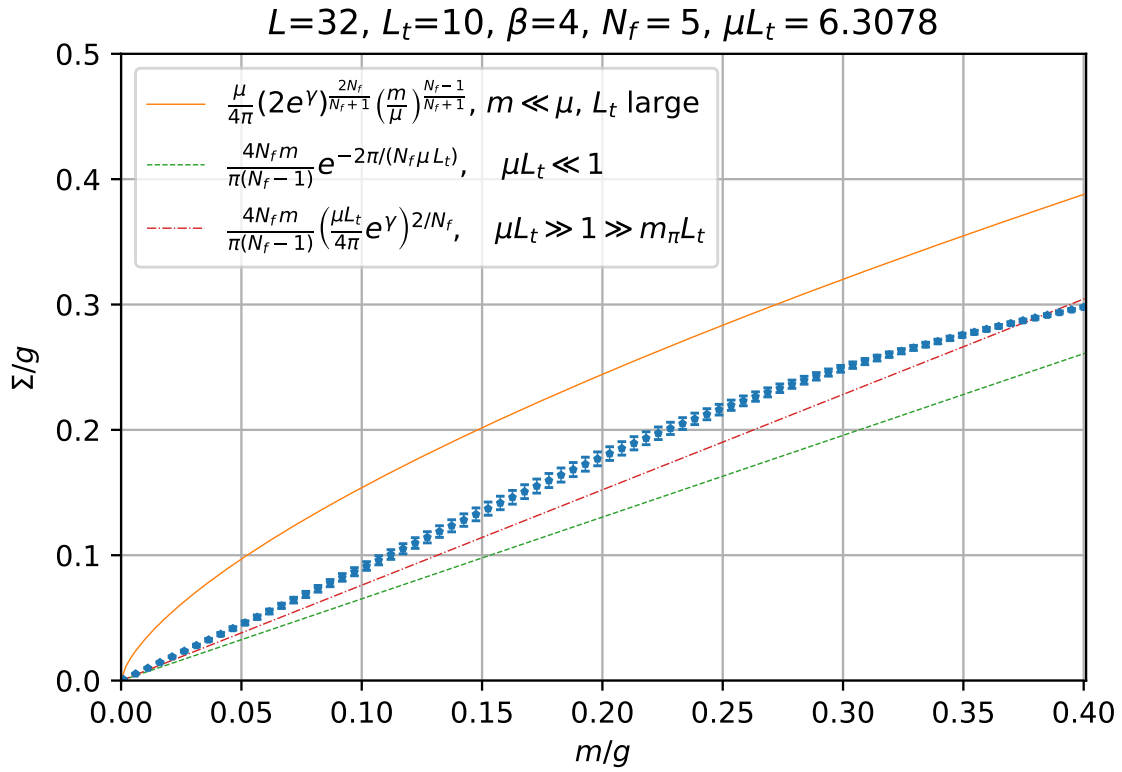
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Figure 3: Chiral condensate as a function of the degenerate fermion mass for different flavors. We compare with the prediction by Hosotani.

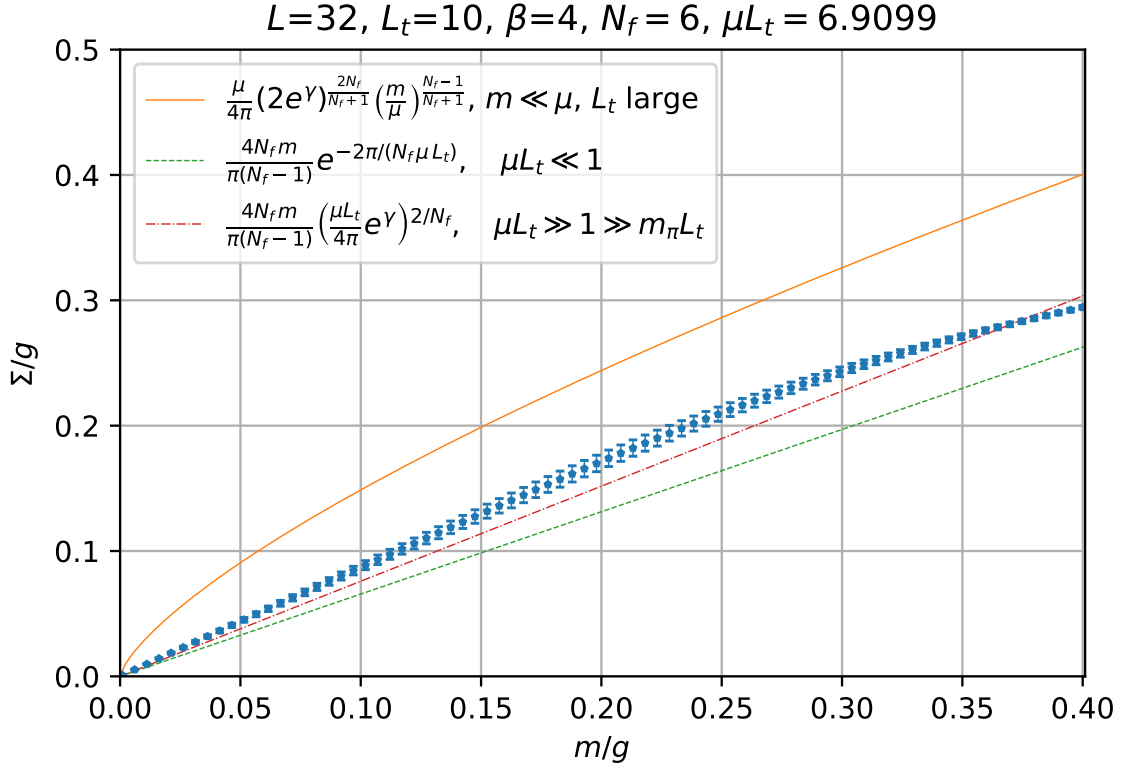




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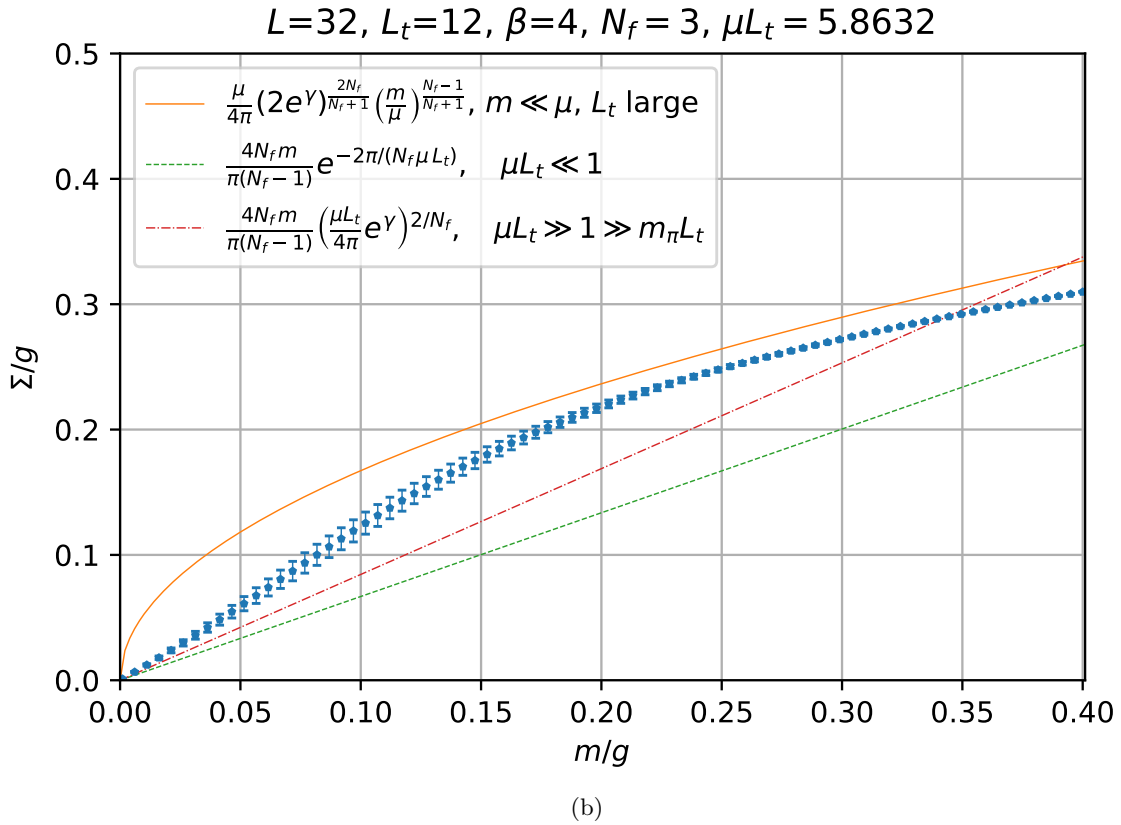
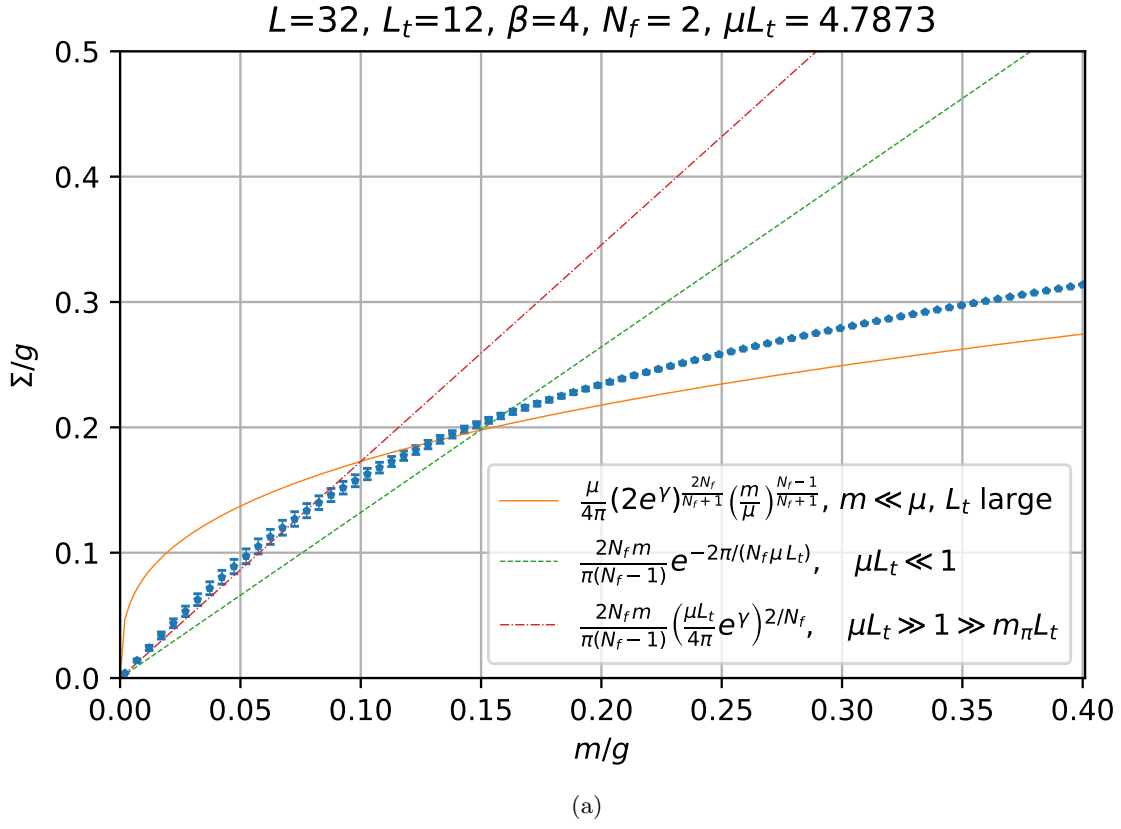


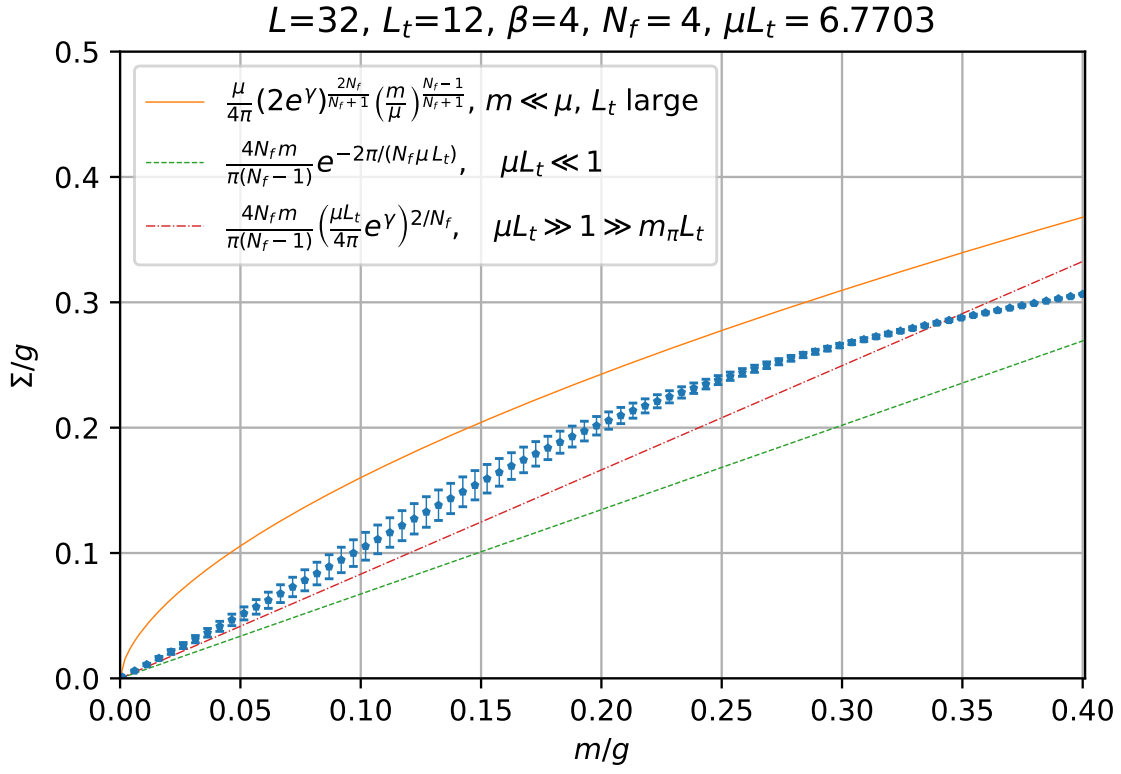
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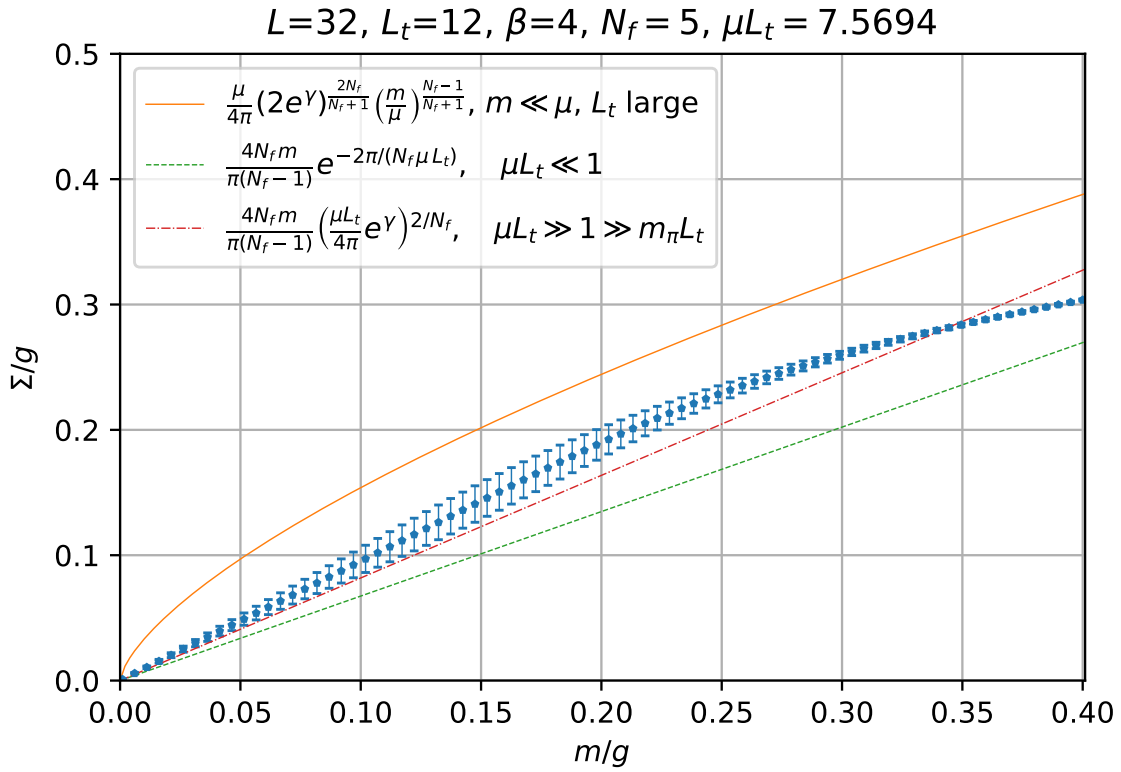
(e)

Figure 4: Chiral condensate as a function of the degenerate fermion mass for different flavors. We compare with the prediction by Hosotani.

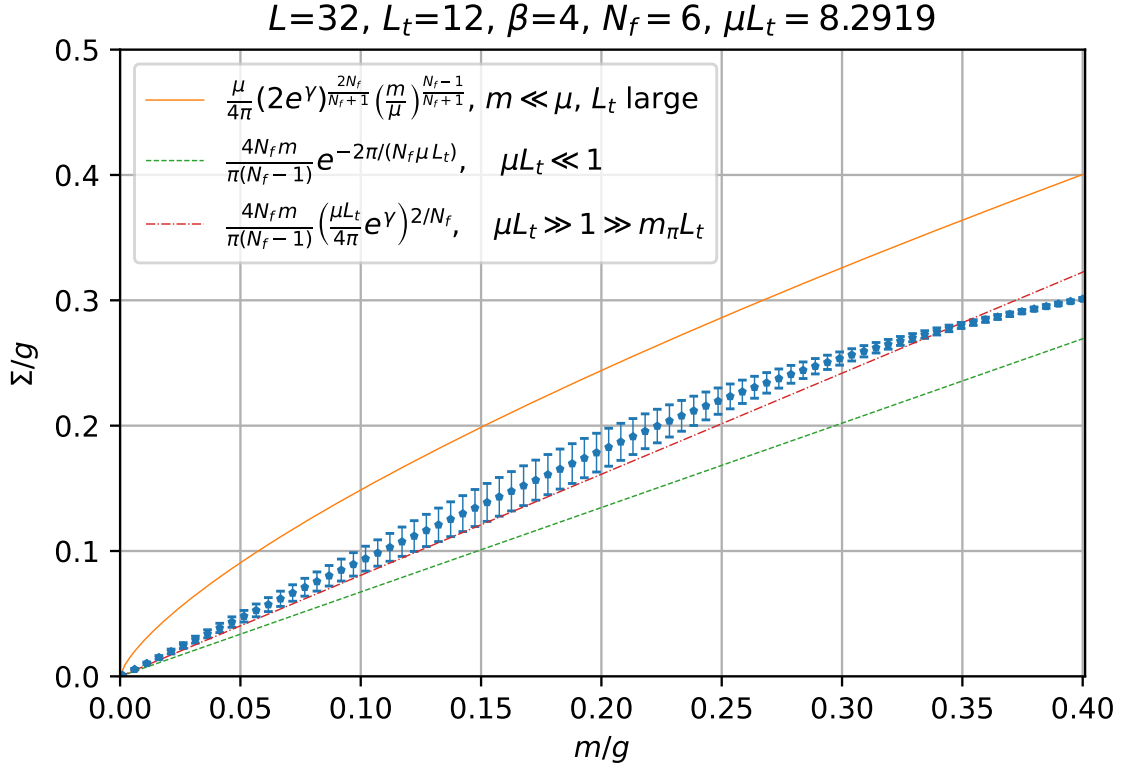




(c)

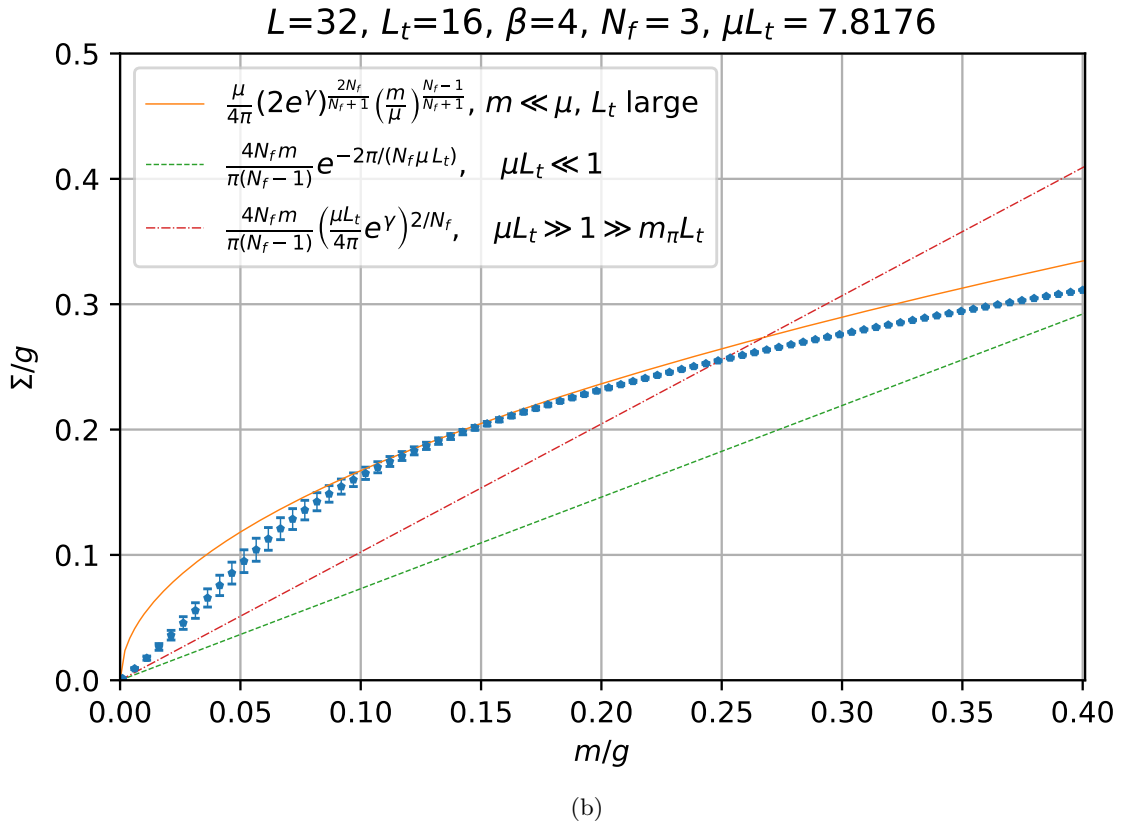
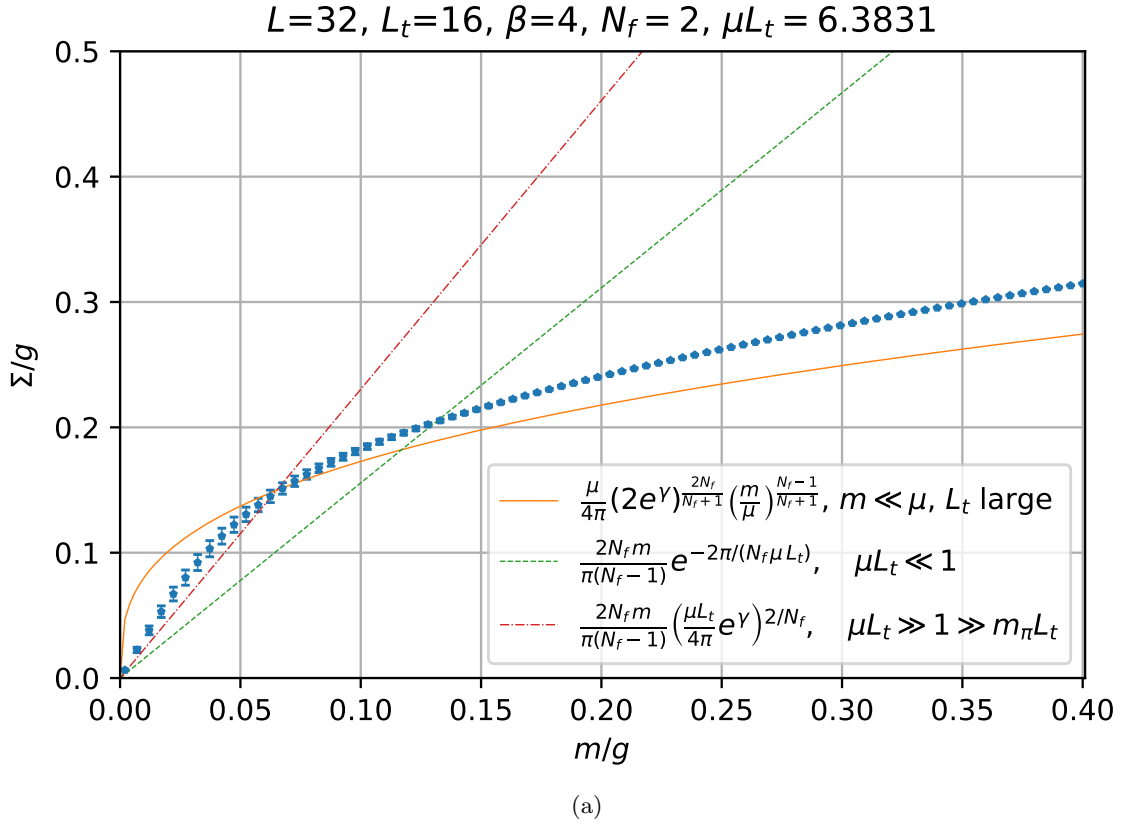


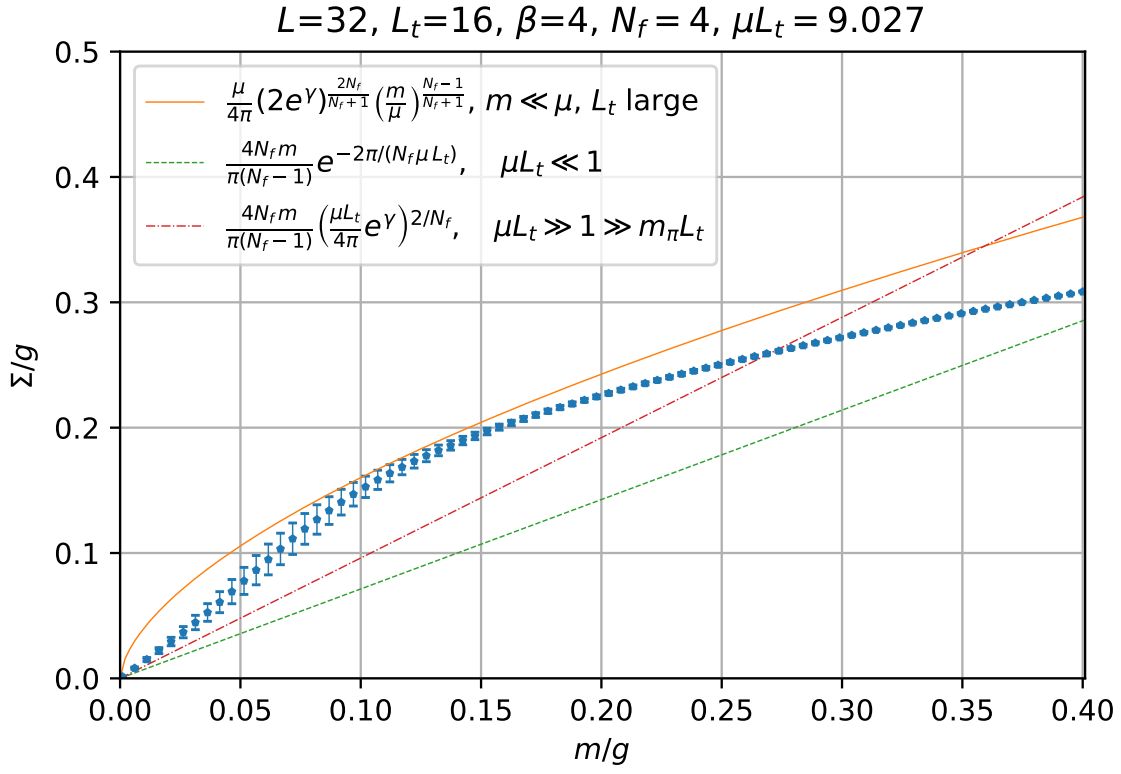
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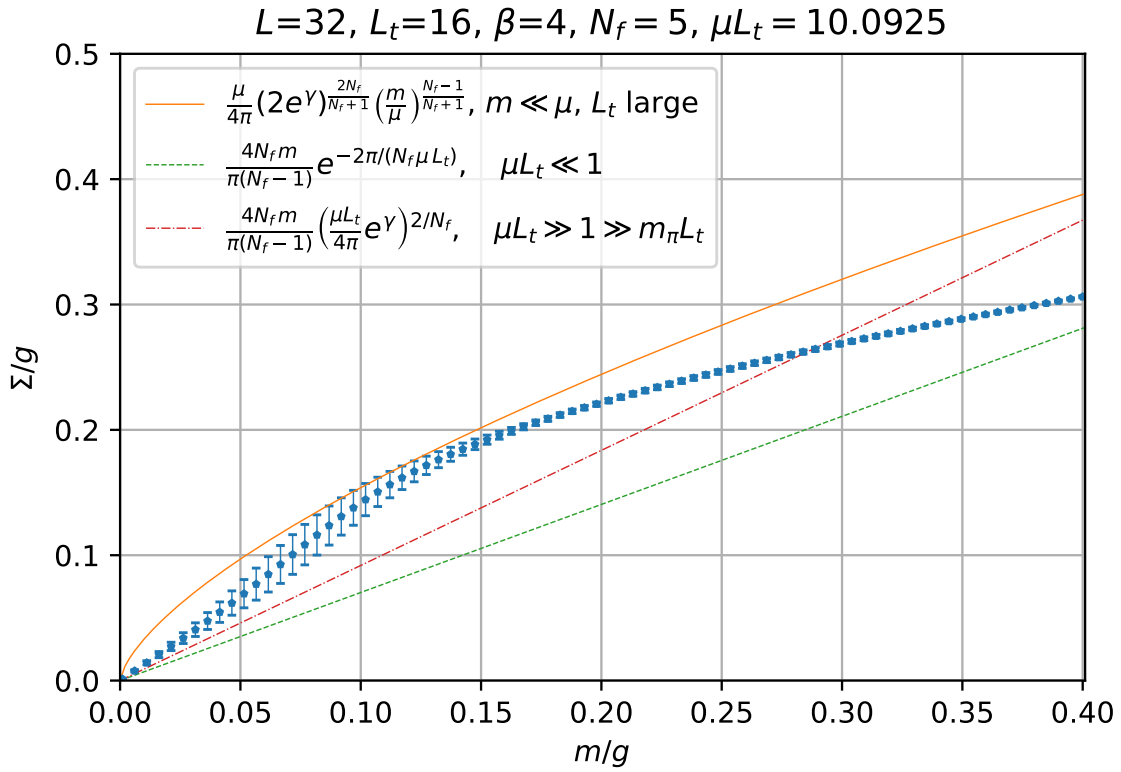
(e)

Figure 5: Chiral condensate as a function of the degenerate fermion mass for different flavors. We compare with the prediction by Hosotani.





(c)



(d)

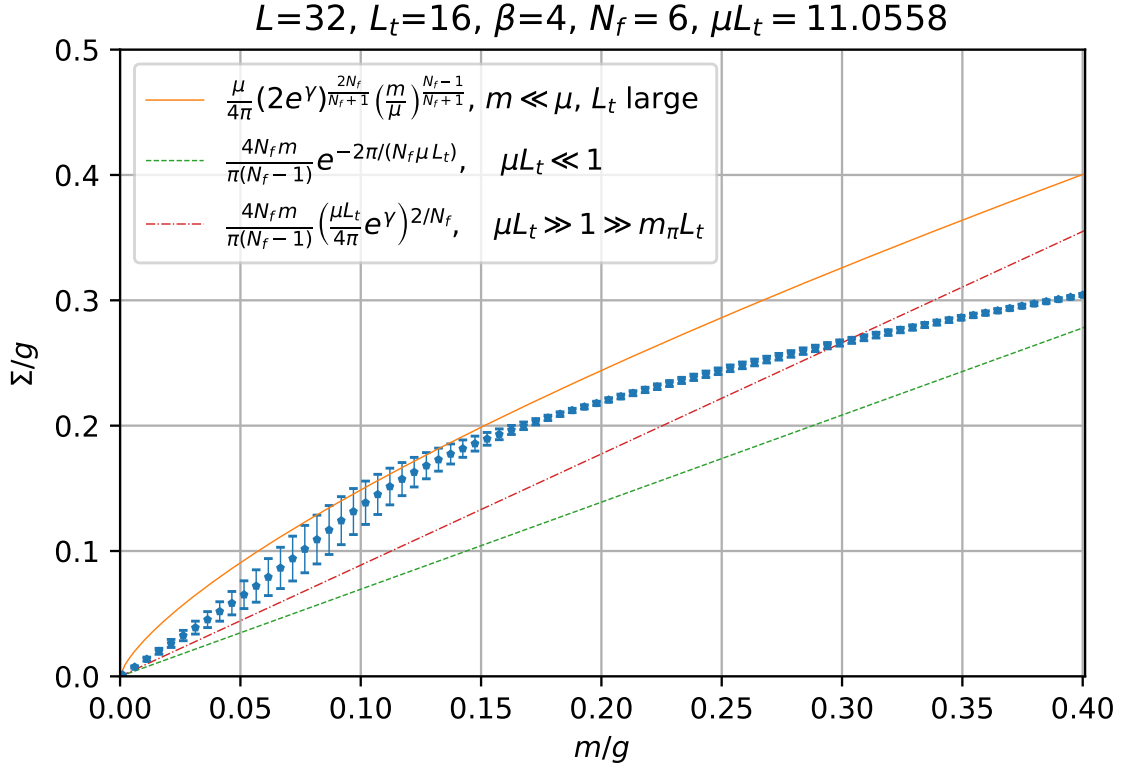


Figure 6: Chiral condensate as a function of the degenerate fermion mass for different flavors. We compare with the prediction by Hosotani.

References

- [1] J. E. Hetrick, Y. Hosotani, and S. Iso. Interplay between mass, volume, vacuum angle and chiral condensate in N flavor QED in two-dimensions. *Phys. Rev. D*, **53**, 1996. arXiv:hep-th/9510090.