

Lecture notes FY8302

March 19, 2020

Digitalized lecture notes for the course “TFY4210 - Quantum Theory of Many-Particle Systems” held by Prof. Asle Sudbø spring 2020. These notes follow the pdf containing the hand written lecture notes, which are based upon the lecture notes for the course “FY8302 - Quantum Theory of Solids”

Website: <https://www.ntnu.edu/studies/courses/TFY4210>

Contributors

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1 Some chapter

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$G_{11} = \rightarrow\rightarrow$ Particle propagator (exists also when $a^\dagger = 0$)

$G_{22} = \leftarrow\leftarrow$ Hole propagator (exists when $a = 0$)

$F = \leftarrow\rightarrow$
 $F^\dagger = \rightarrow\leftarrow$

} Anomalous Green's functions.

Figure 1: Some text

1 Long name for a nonexistent chapter of the course notes that should be removed once the first chapter has been started on

In fig. 1, we see etc...