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1 e-H V-Matrix

1.1 Implementation

1.2 Direct Matrix Elements

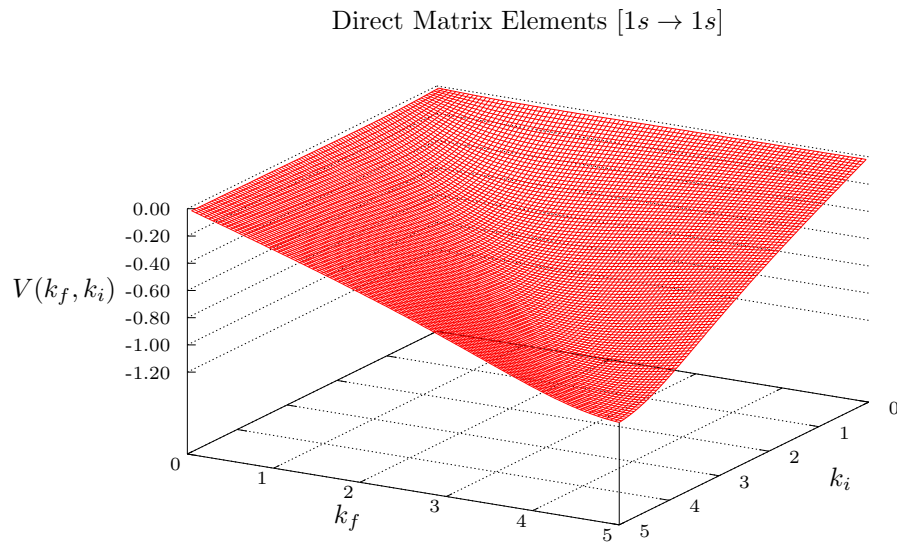
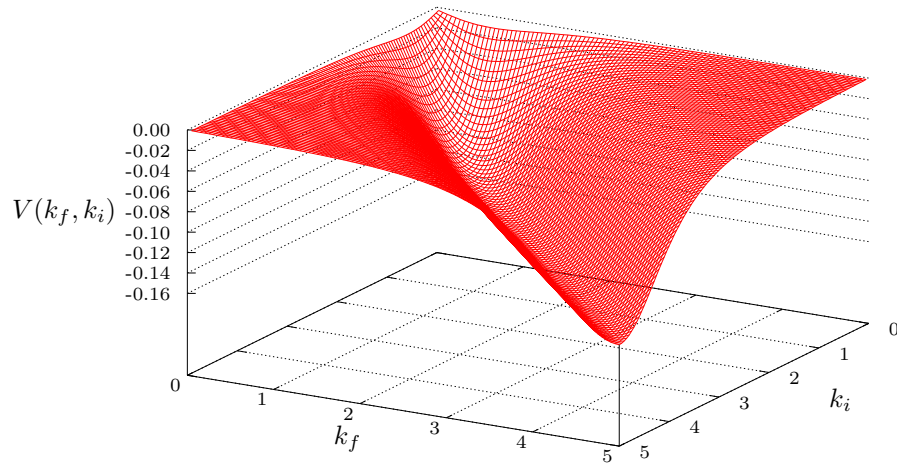
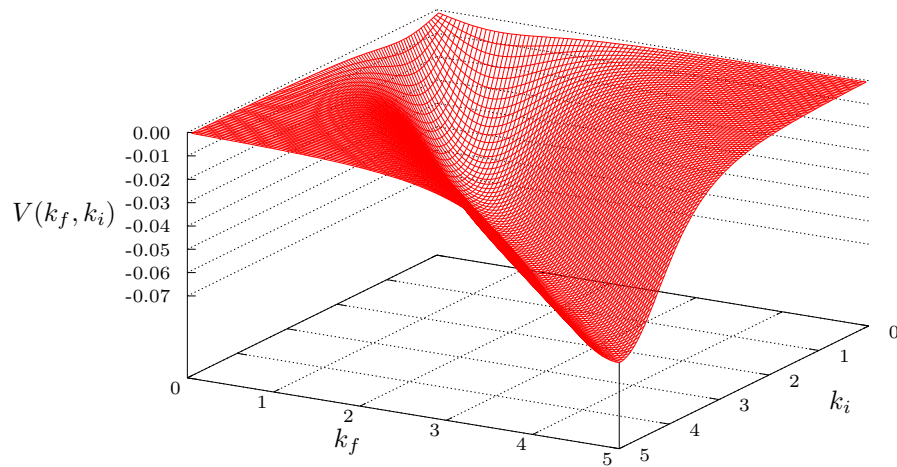


Figure 1: ...

Direct Matrix Elements $[1s \rightarrow 2s]$ *Figure 2: ...*Direct Matrix Elements $[1s \rightarrow 3s]$ *Figure 3: ...*

1.3 Exchange Matrix Elements

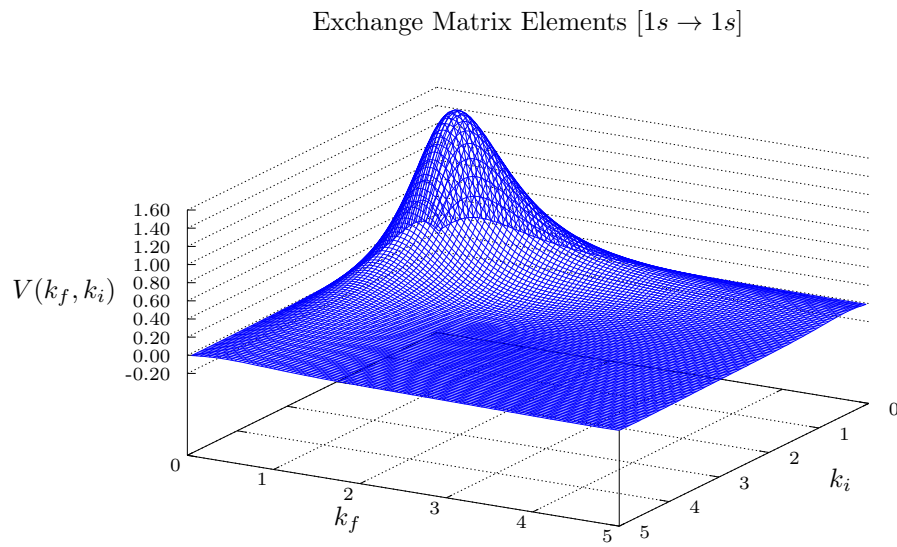


Figure 4: ...

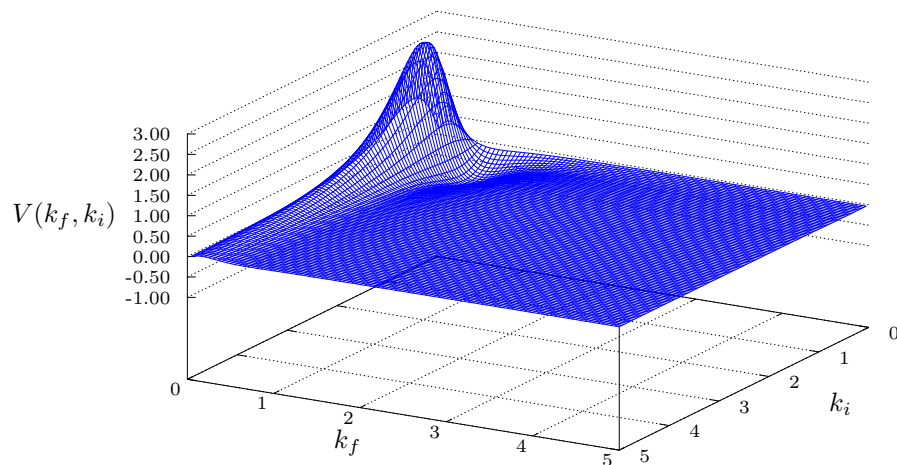
Exchange Matrix Elements [$1s \rightarrow 2s$]

Figure 5: ...

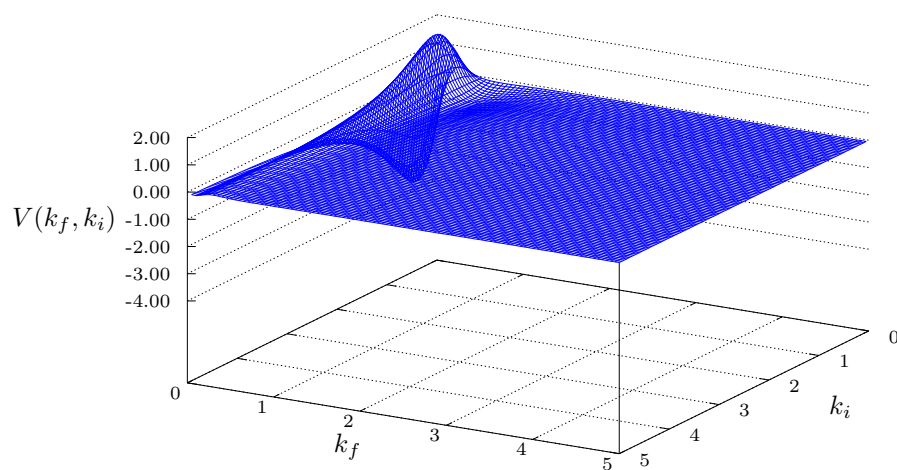
Exchange Matrix Elements [$1s \rightarrow 3s$]

Figure 6: ...

1.4 On-Shell Matrix Elements

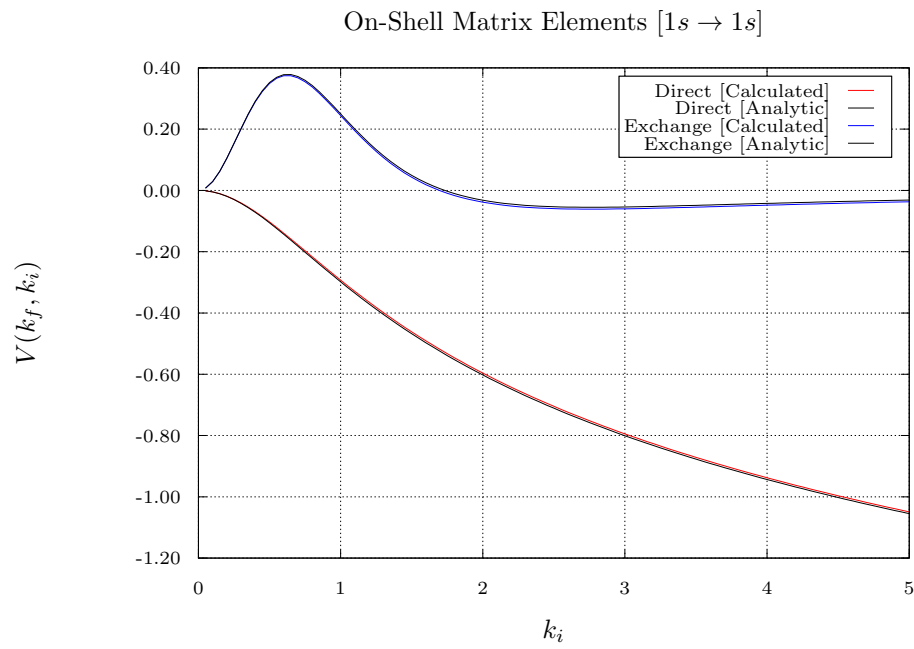


Figure 7: ...

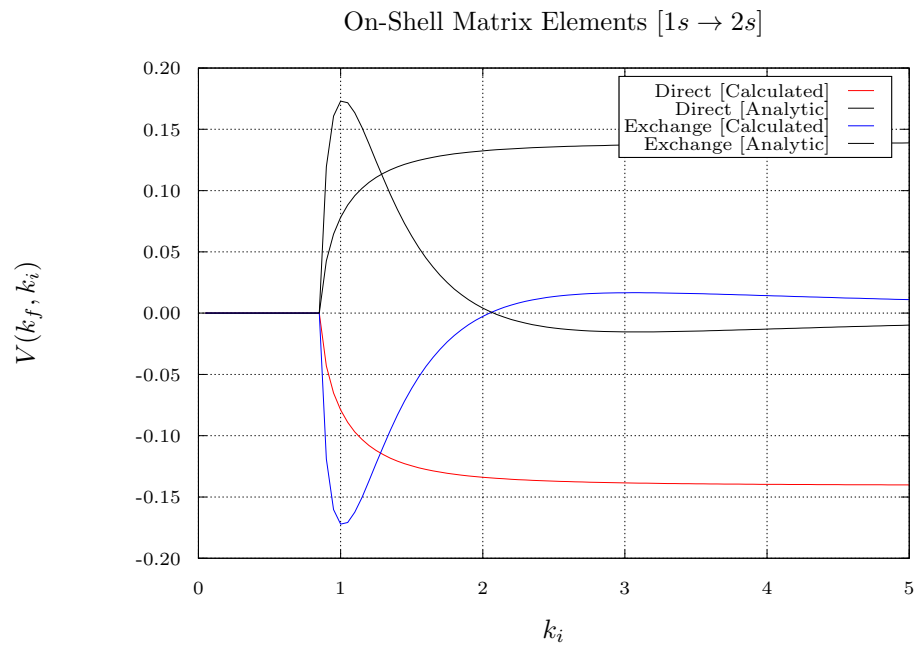


Figure 8: ...

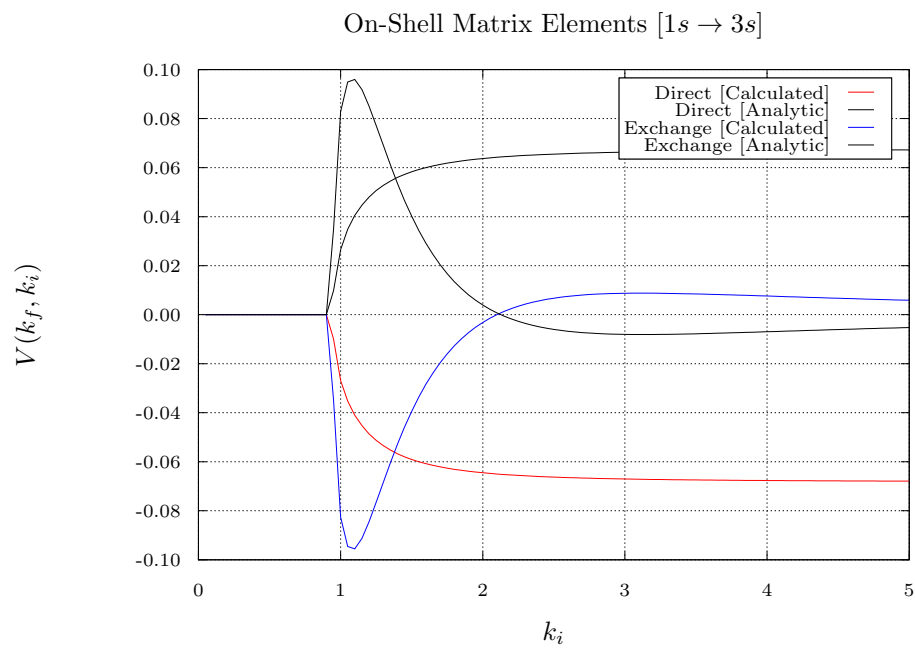


Figure 9: ...

2 V_{12} Potential in S-Wave Model

3 Reduced CCC Code