Circular dichroism calculations in plasmonic nanoparticle assemblies using the **cda** package – reproducing figures from the literature

Baptiste Auguié July 24, 2011

#### $1\quad Figure~govorov\text{-}JPC/fig2a\text{-}3.pdf$

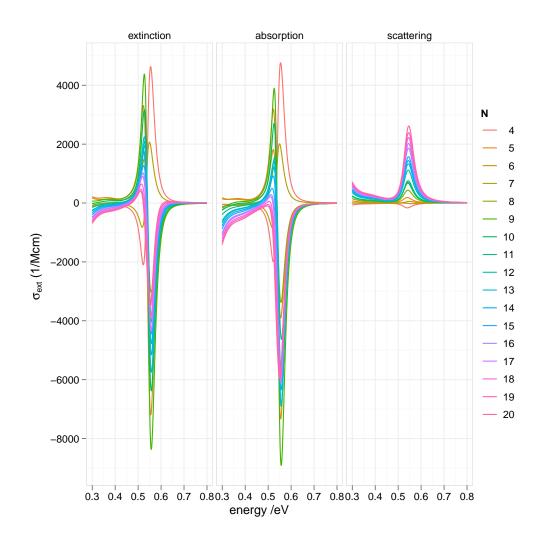


Figure 1: plot govorov-JPC/fig2a-3.pdf

# 2 Figure govorov-JPC/fig2b.pdf

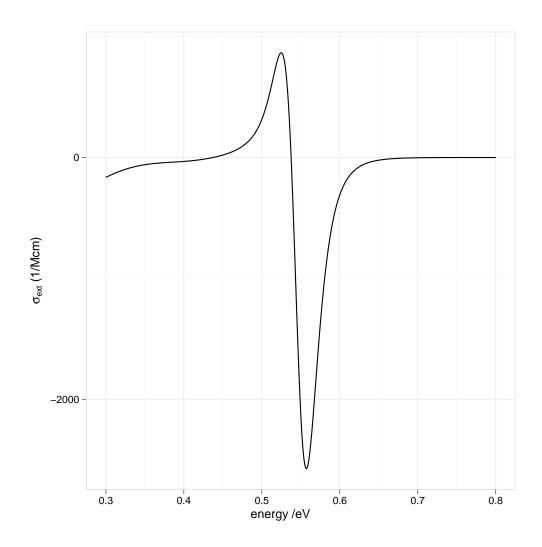


Figure 2: plot govorov-JPC/fig2b.pdf

# 3 Figure govorov-JPC/fig4.pdf

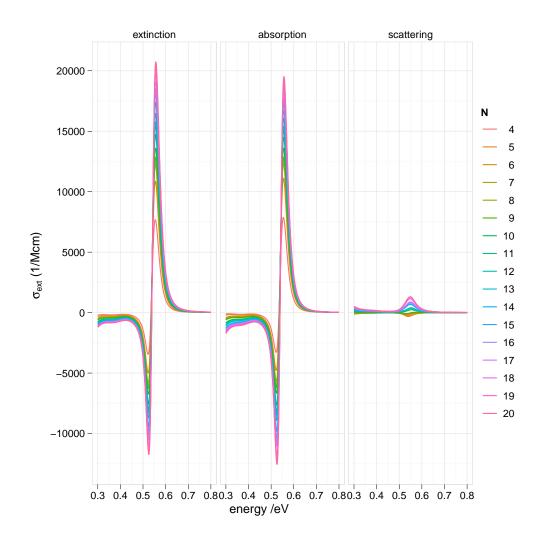


Figure 3: plot govorov-JPC/fig4.pdf

## 4 Figure govorov-JPC/fig7a.pdf

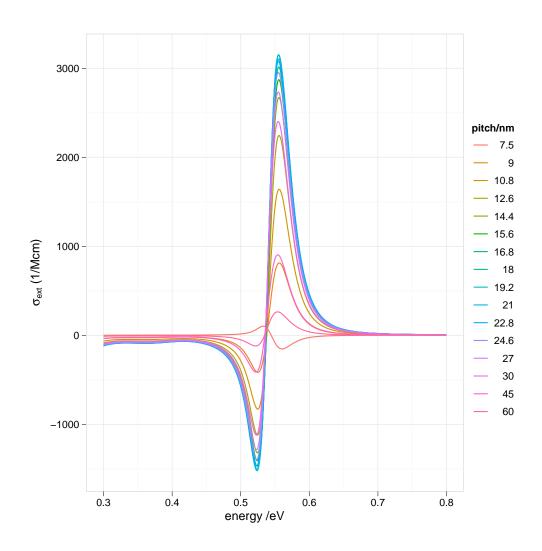


Figure 4: plot govorov-JPC/fig7a.pdf

## $5\quad Figure~govorov\text{-}JPC/fig7b.pdf$

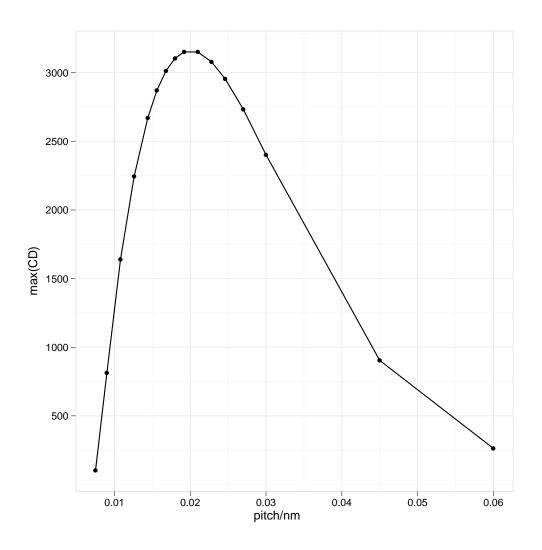


Figure 5: plot govorov-JPC/fig7b.pdf

# ${\small 6}\quad \textbf{Figure govorov-JPC/fig8.pdf}$

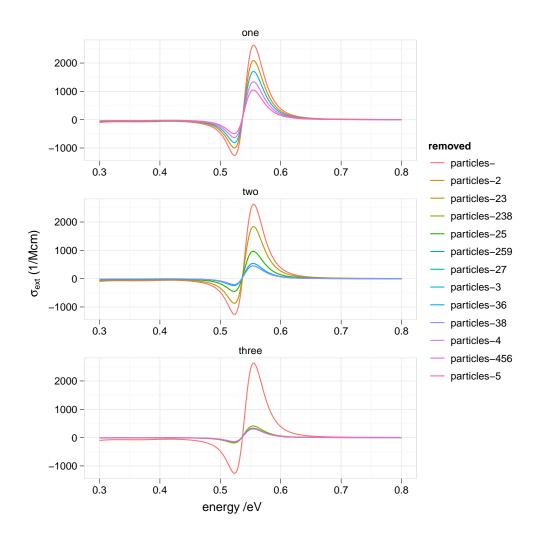


Figure 6: plot govorov-JPC/fig8.pdf

# Figure govorov-NL/fig3.pdf

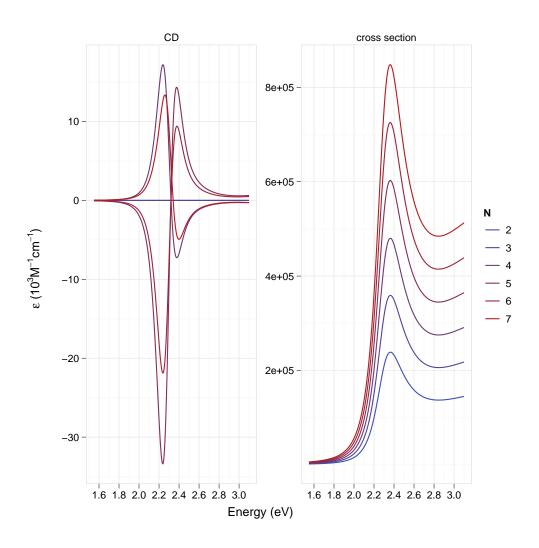


Figure 7: plot govorov-NL/fig3.pdf

#### $8\quad Figure~govorov\text{-}NL/figs1\text{-}2.pdf$

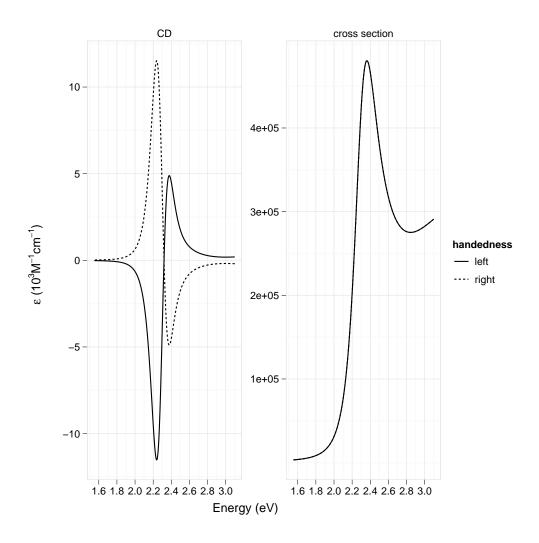


Figure 8: plot govorov-NL/figs1-2.pdf

## $9\quad Figure\ vigo-JPC/fig1.pdf$

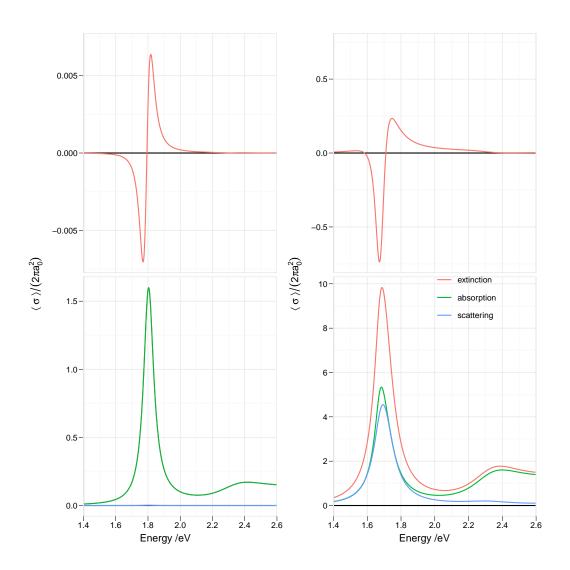


Figure 9: plot vigo-JPC/fig1.pdf

## $10 \quad \text{Figure vigo-JPC/fig2.pdf}$

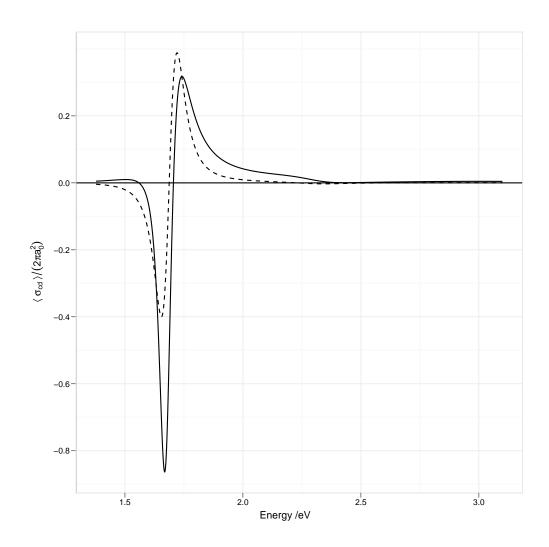


Figure 10: plot vigo-JPC/fig2.pdf

#### $11 \quad Figure \ vigo-JPC/fig3.pdf$

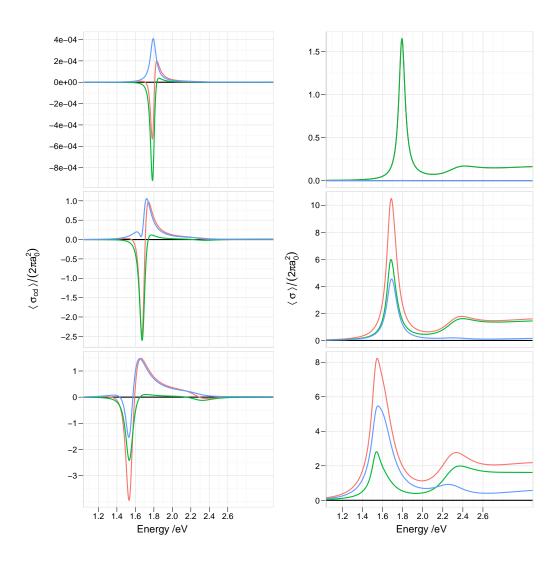


Figure 11: plot vigo-JPC/fig3.pdf

## 12 Figure vigo-JPC/fig4.pdf

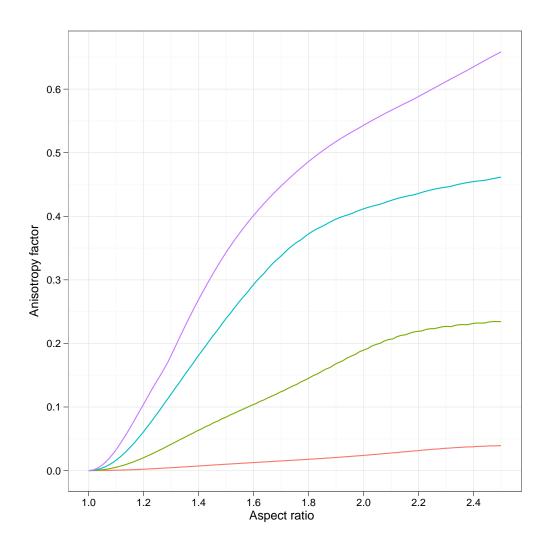


Figure 12: plot vigo-JPC/fig4.pdf

#### 13 Figure vigo-Nanotoday/comparison.pdf

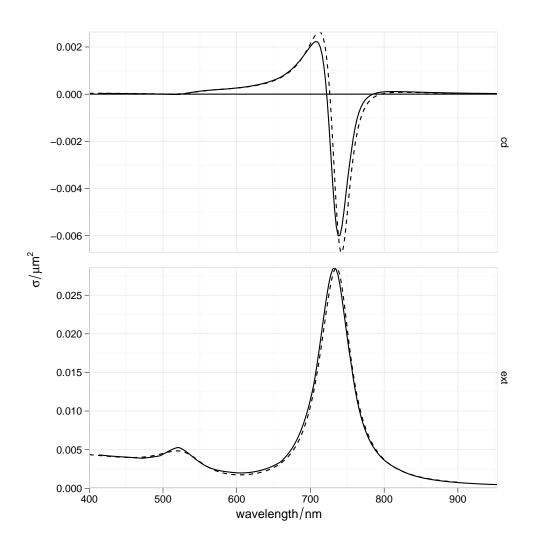


Figure 13: plot vigo-Nanotoday/comparison.pdf

#### $14 \quad Figure \ vigo-angewand te/fig 2.pdf$

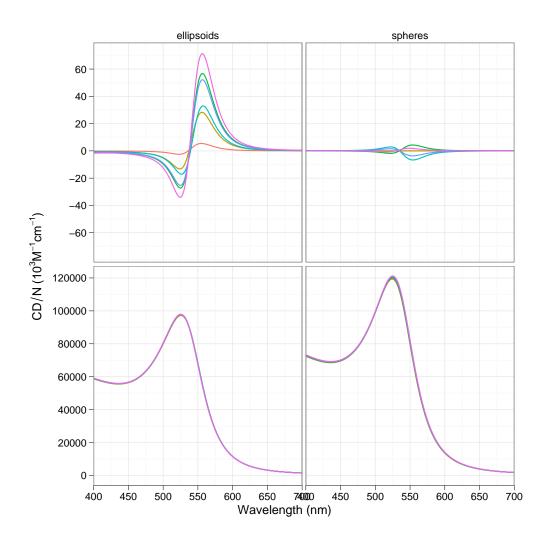


Figure 14: plot vigo-angewandte/fig2.pdf

# 15 Figure vigo-angewandte/fig3.pdf

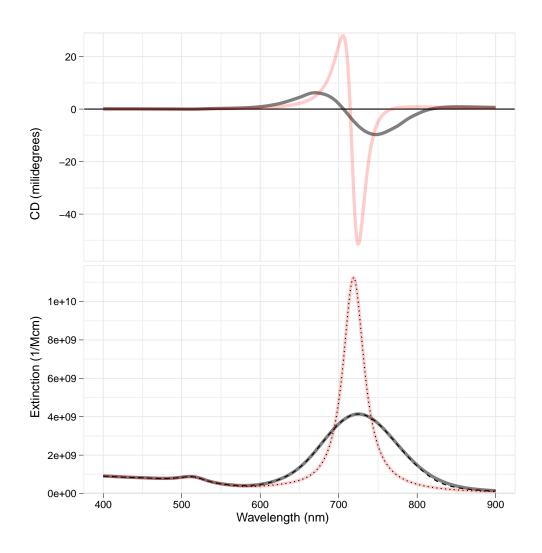


Figure 15: plot vigo-angewandte/fig3.pdf

#### References

- [1] Baptiste Auguié, José Lorenzo Alonso-Gómez, Andrés Guerrero-Martínez, and Luis M. Liz-Marzán. Fingers crossed: Optical activity of a chiral dimer of plasmonic nanorods. *The Journal of Physical Chemistry Letters*, 2(8):846–851, 2011.
- [2] Zhiyuan Fan and Alexander O. Govorov. Plasmonic Circular Dichroism of Chiral Metal Nanoparticle Assemblies. *Nano Lett.*, 10(7):2580–2587, June 2010.
- [3] Zhiyuan Fan and Alexander O. Govorov. Helical metal nanoparticle assemblies with defects: Plasmonic chirality and circular dichroism. *The Journal of Physical Chemistry C*, 115(27):13254–13261, 2011.
- [4] Andrés Guerrero-Martínez, José Lorenzo Alonso-Gómez, Baptiste Auguié, M.Magdalena Cid, and Luis M.Liz-Marzán. From individual to collective chirality in metal nanoparticles. *Nano Today*, in press, 2011.
- [5] Andrés Guerrero-Martínez, Baptiste Auguié, José Lorenzo Alonso-Gómez, Zoran Džolić, Sergio Gómez-Graña, Mladen Žinić, M. Magdalena Cid, and Luis M. Liz-Marzán. Intense optical activity from three-dimensional chiral ordering of plasmonic nanoantennas. *Angewandte Chemie International Edition*, 50(24):5499–5503, 2011.