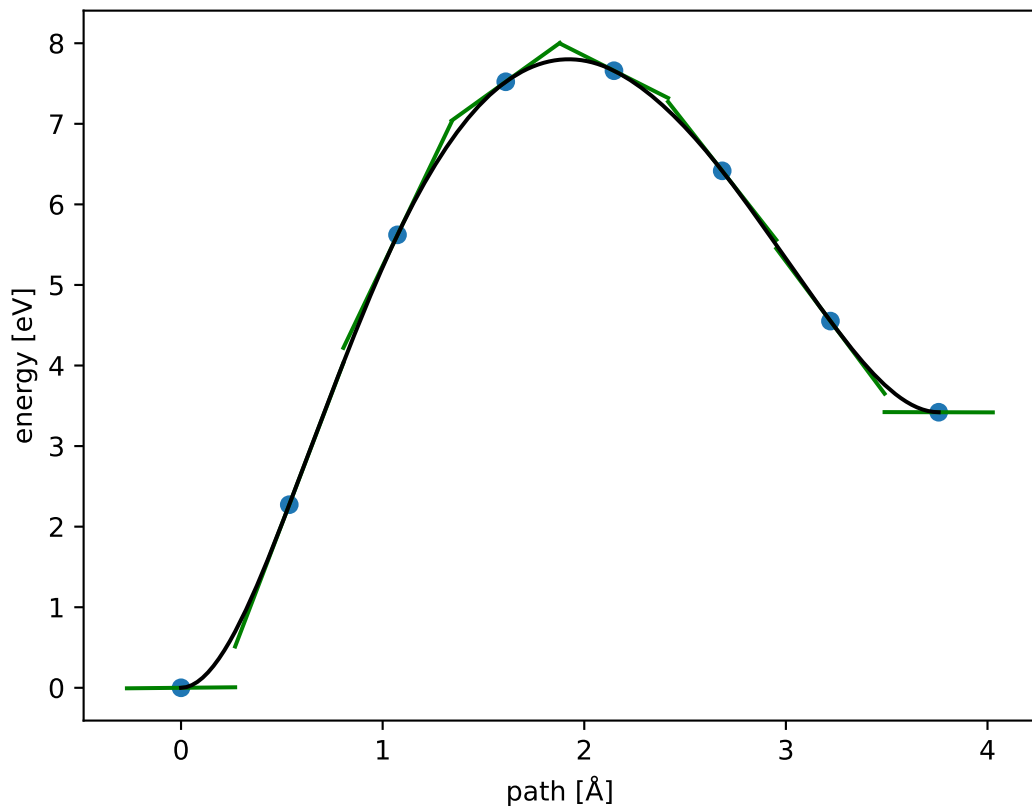
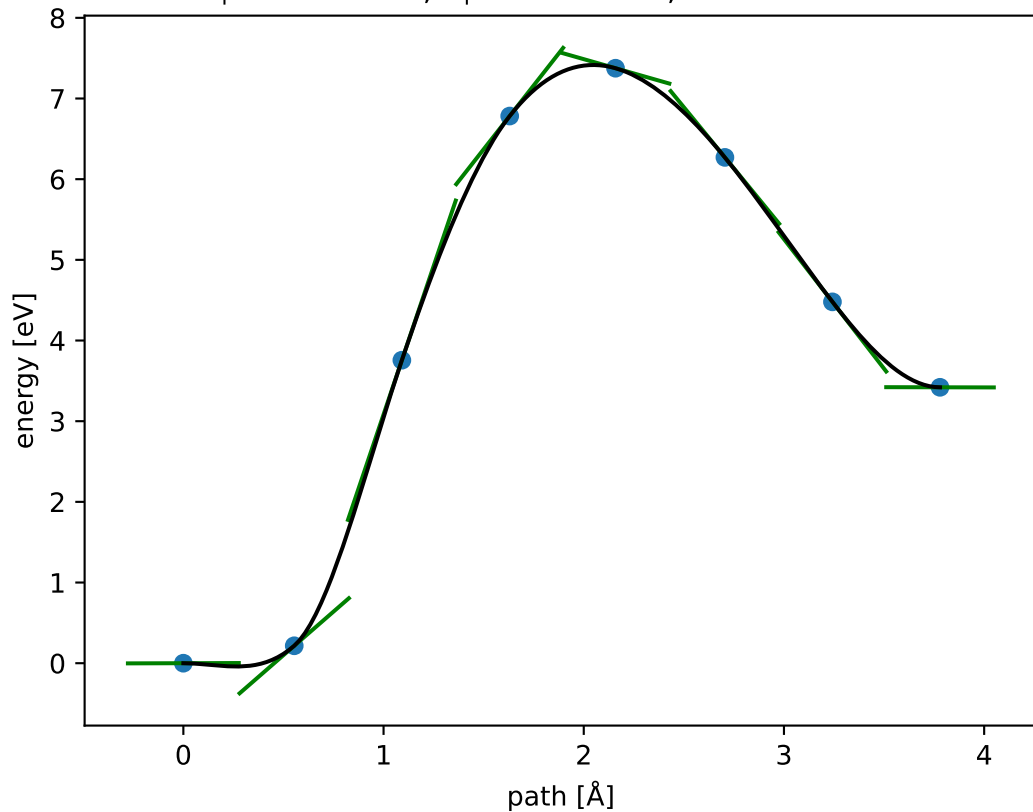


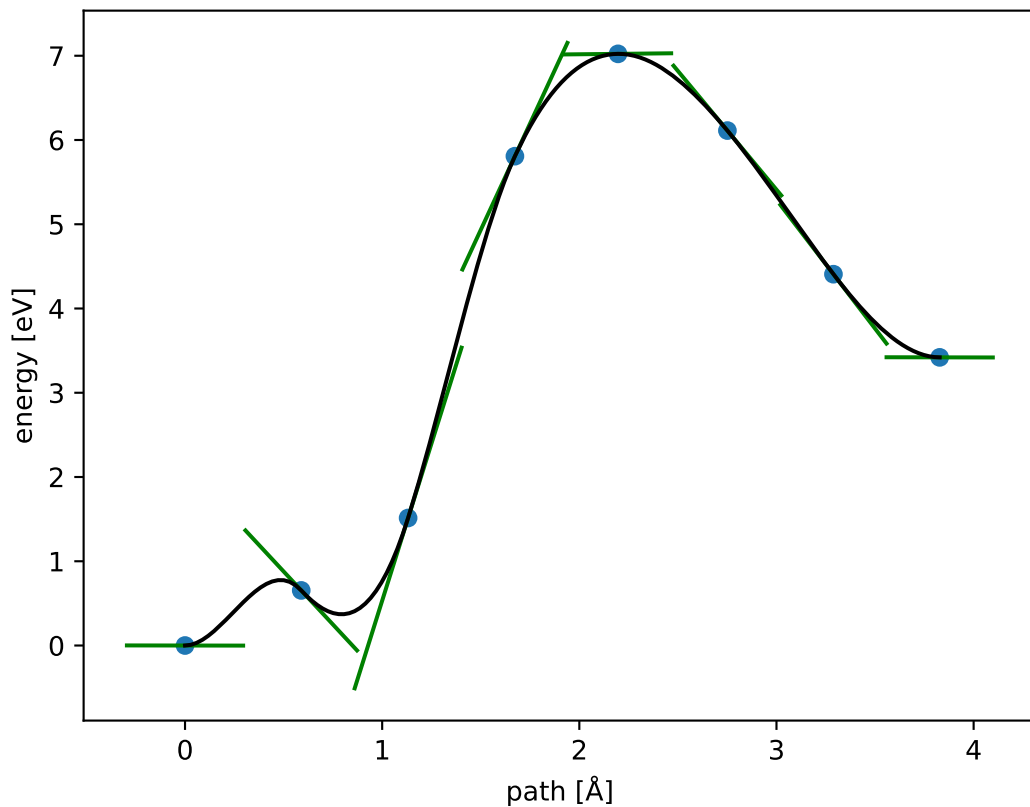
$$E_f \approx 7.659 \text{ eV}; E_r \approx 4.239 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



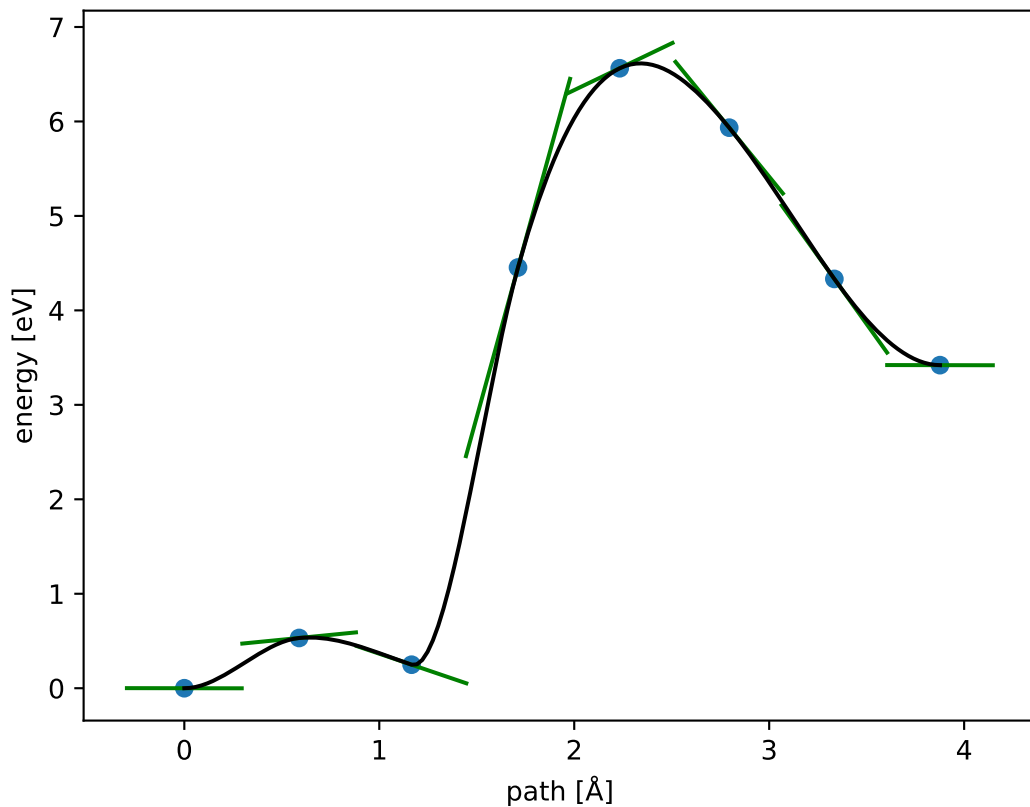
$$E_f \approx 7.375 \text{ eV}; E_r \approx 3.955 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



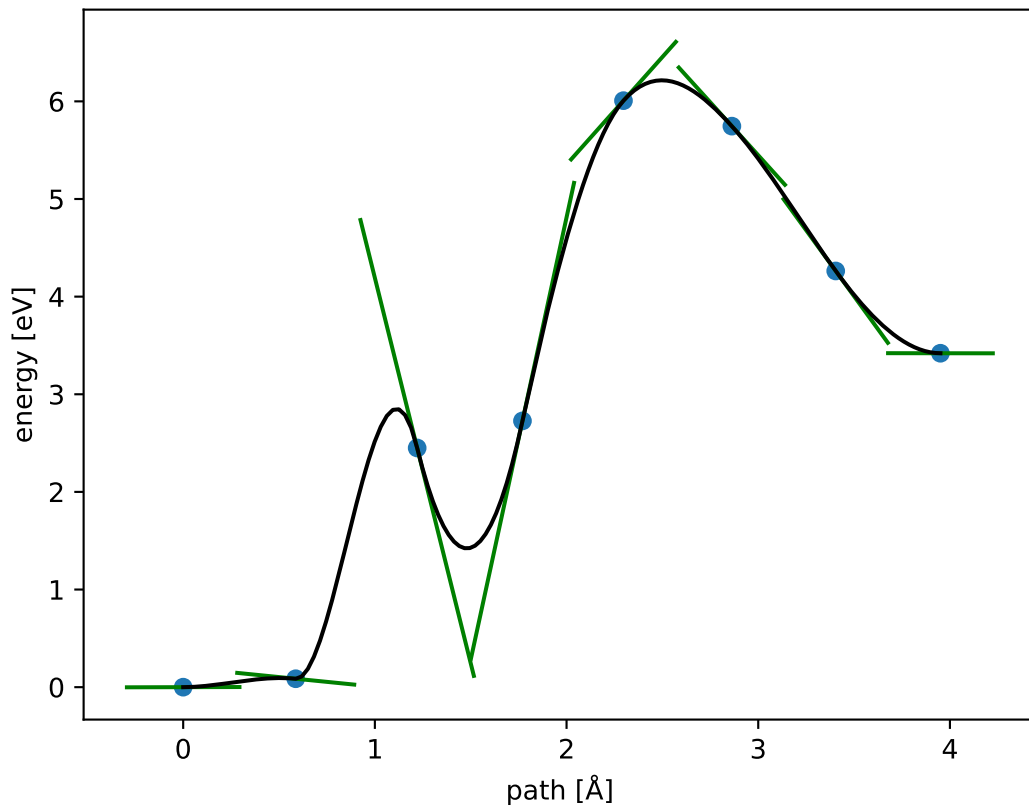
$$E_f \approx 7.022 \text{ eV}; E_r \approx 3.602 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



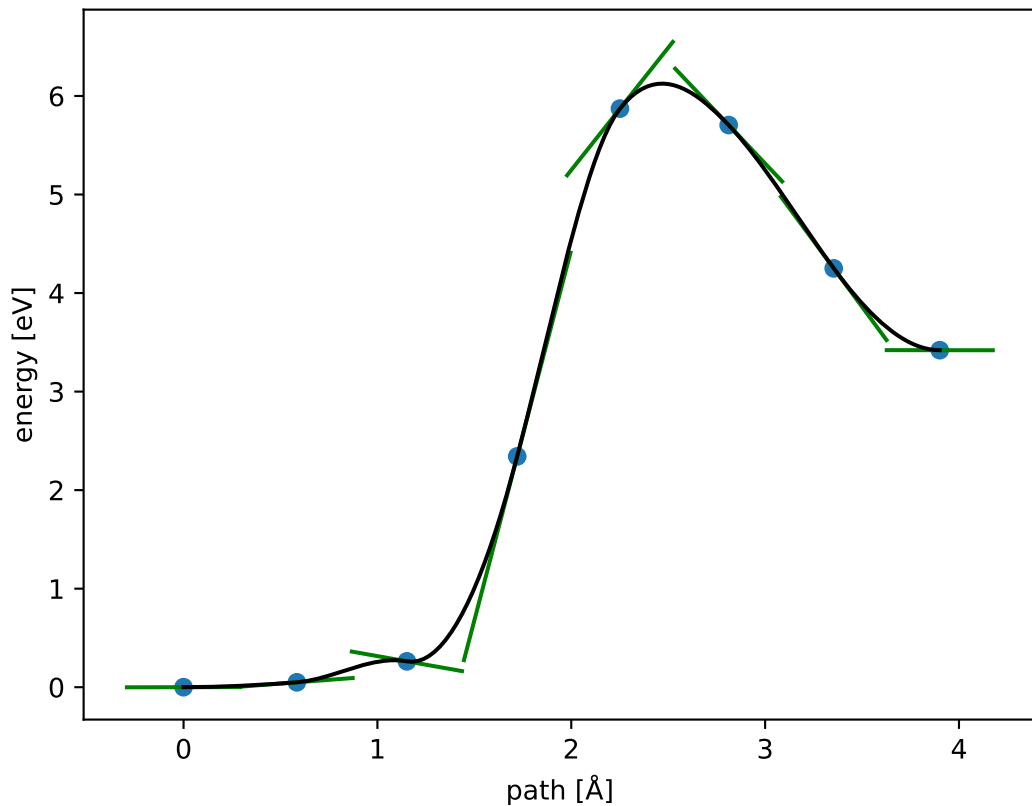
$$E_f \approx 6.563 \text{ eV}; E_r \approx 3.143 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



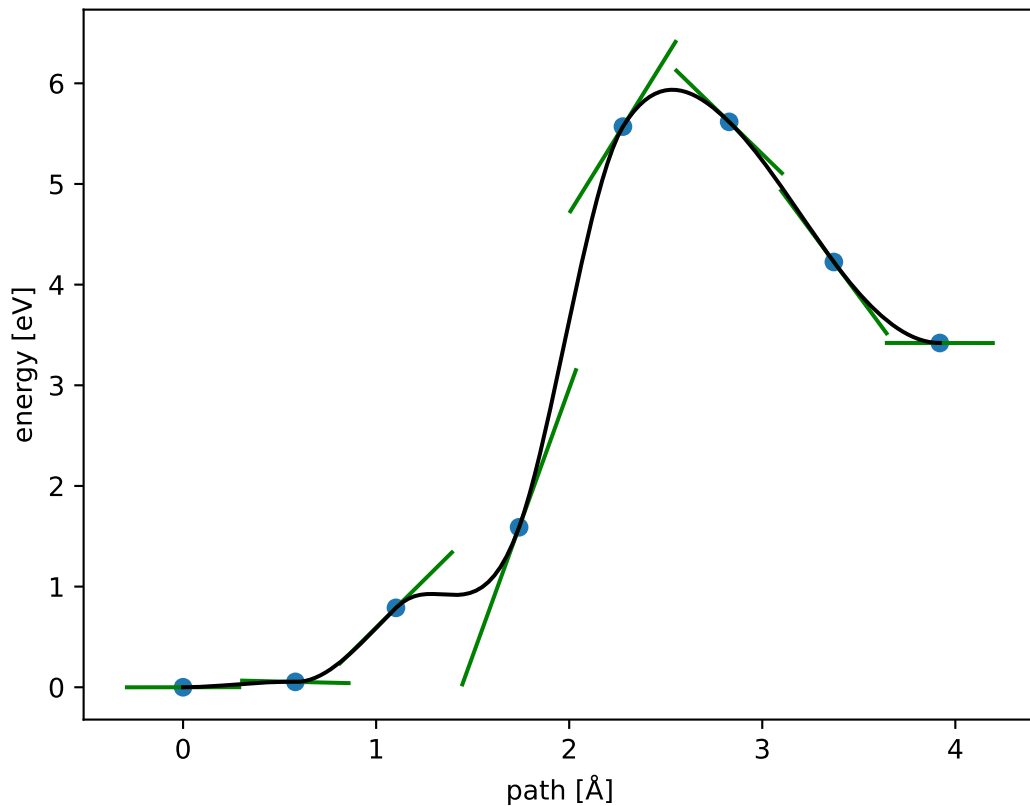
$$E_f \approx 6.007 \text{ eV}; E_r \approx 2.587 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



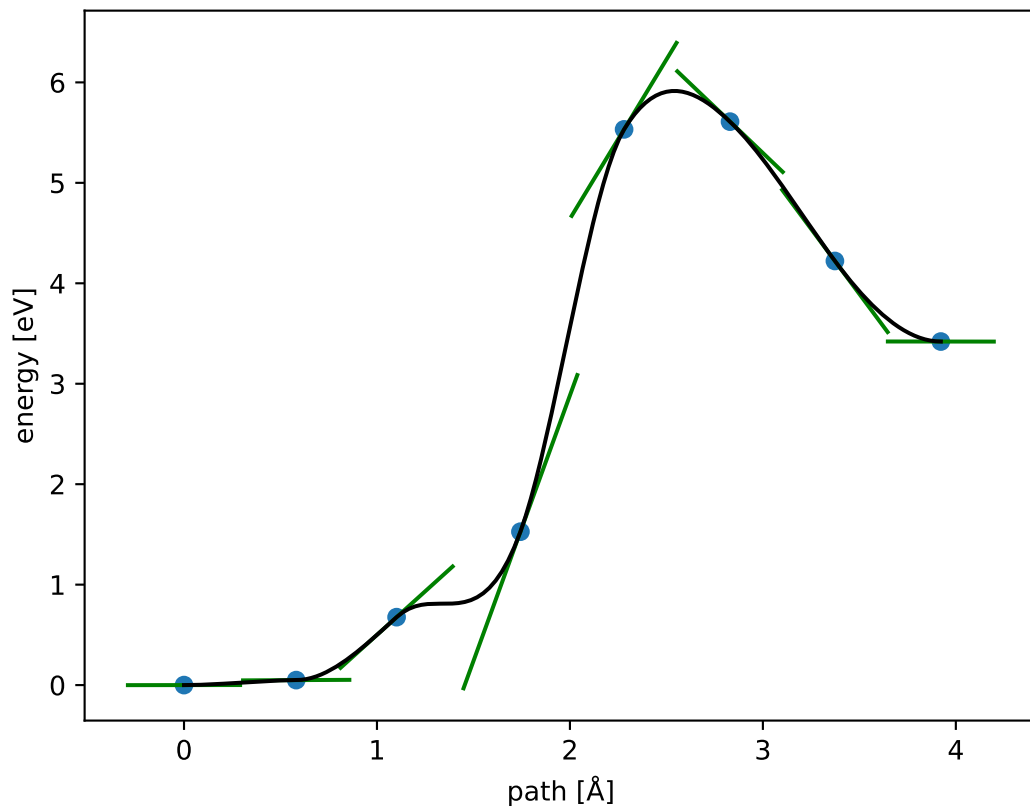
$$E_f \approx 5.872 \text{ eV}; E_r \approx 2.452 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



$$E_f \approx 5.617 \text{ eV}; E_r \approx 2.197 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

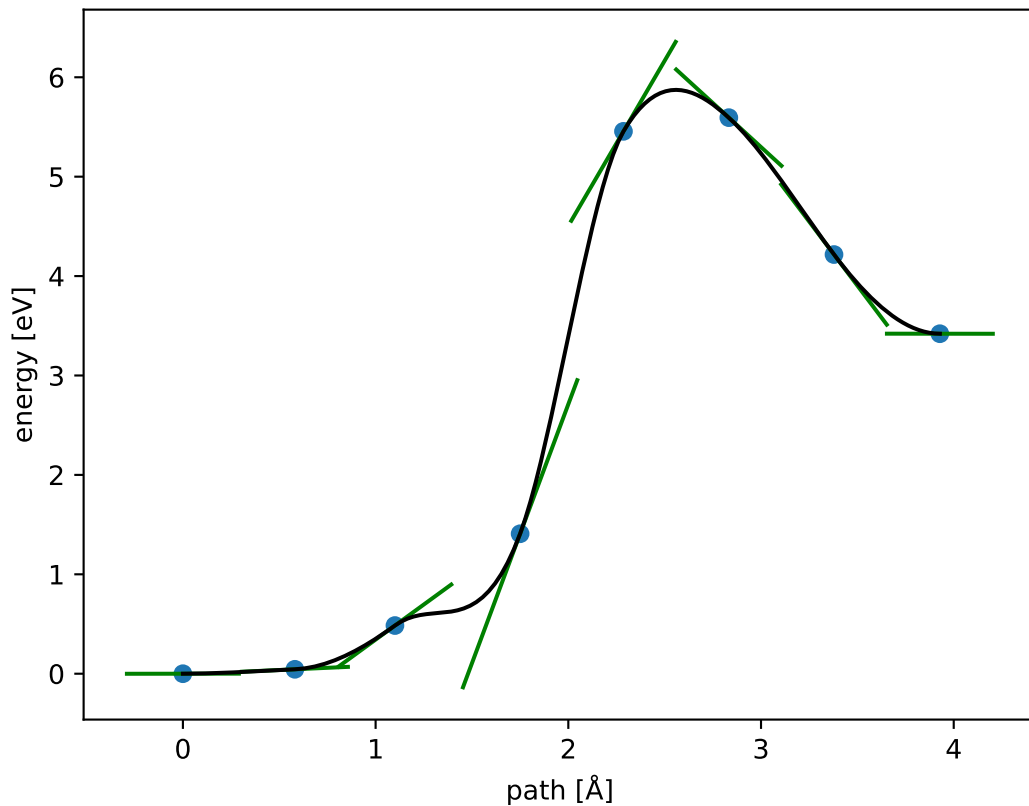


$$E_f \approx 5.609 \text{ eV}; E_r \approx 2.189 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

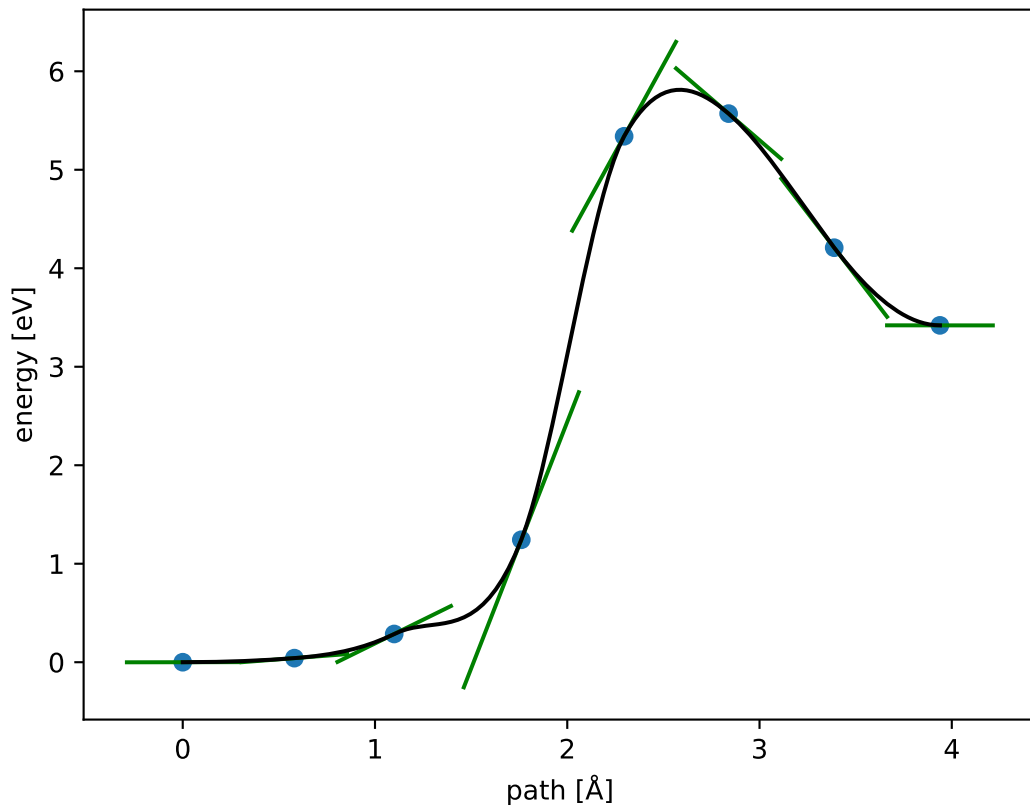




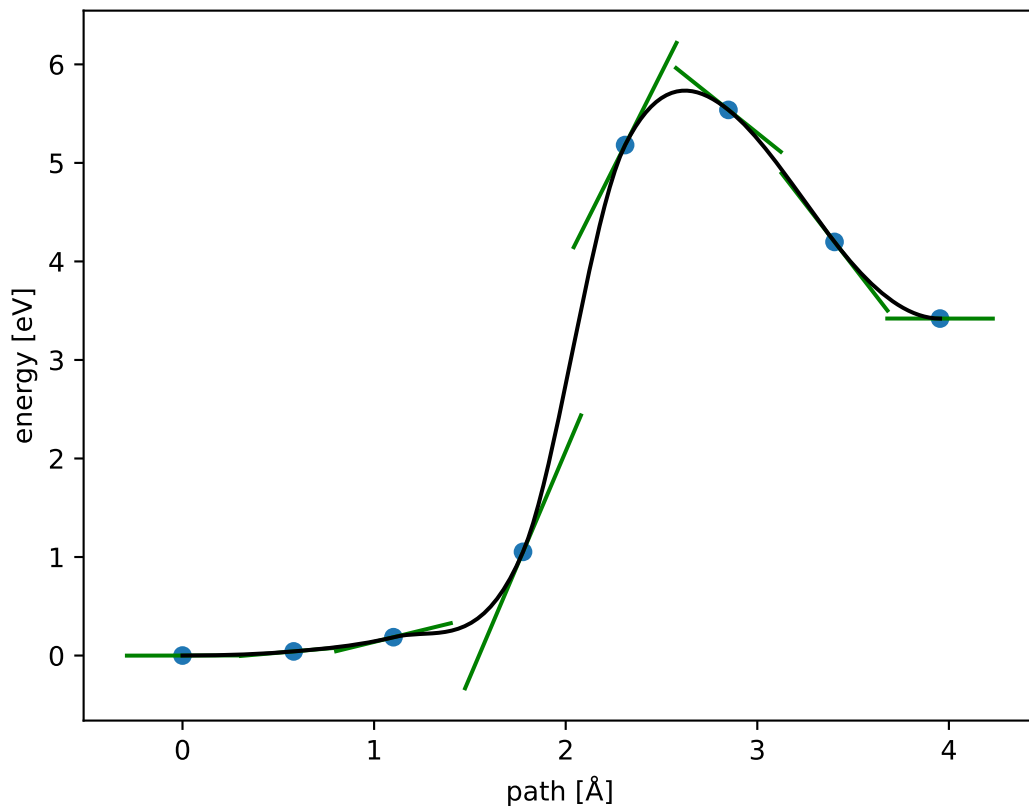
$$E_f \approx 5.594 \text{ eV}; E_r \approx 2.174 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



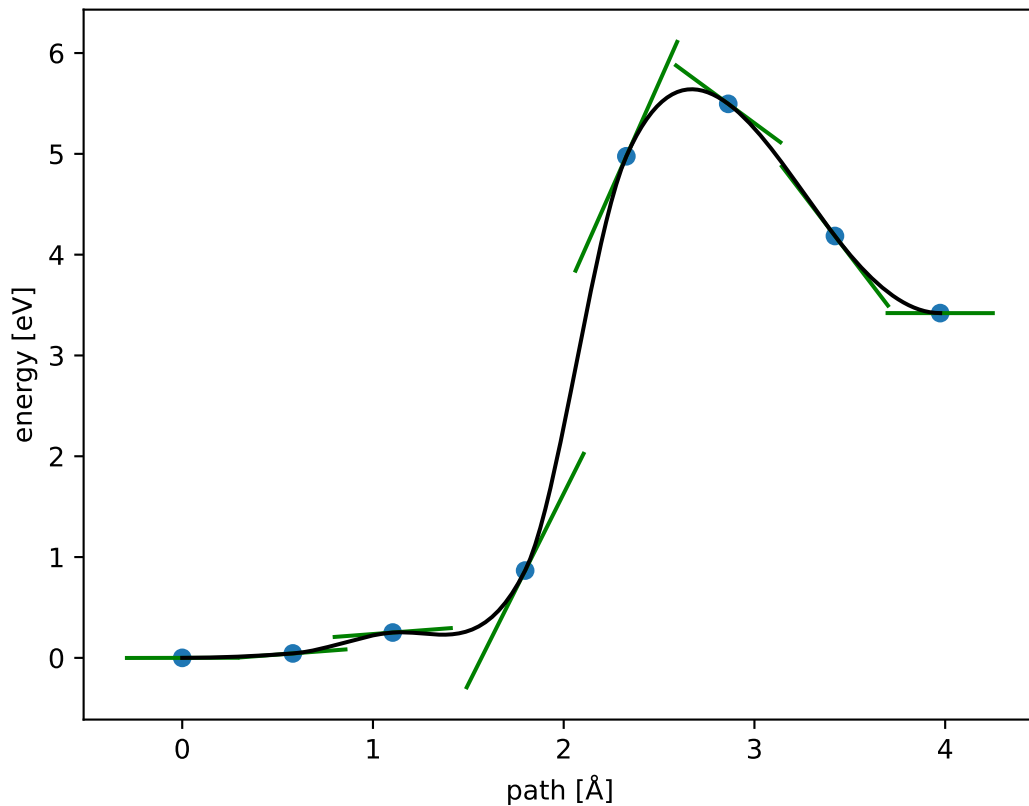
$$E_f \approx 5.570 \text{ eV}; E_r \approx 2.150 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



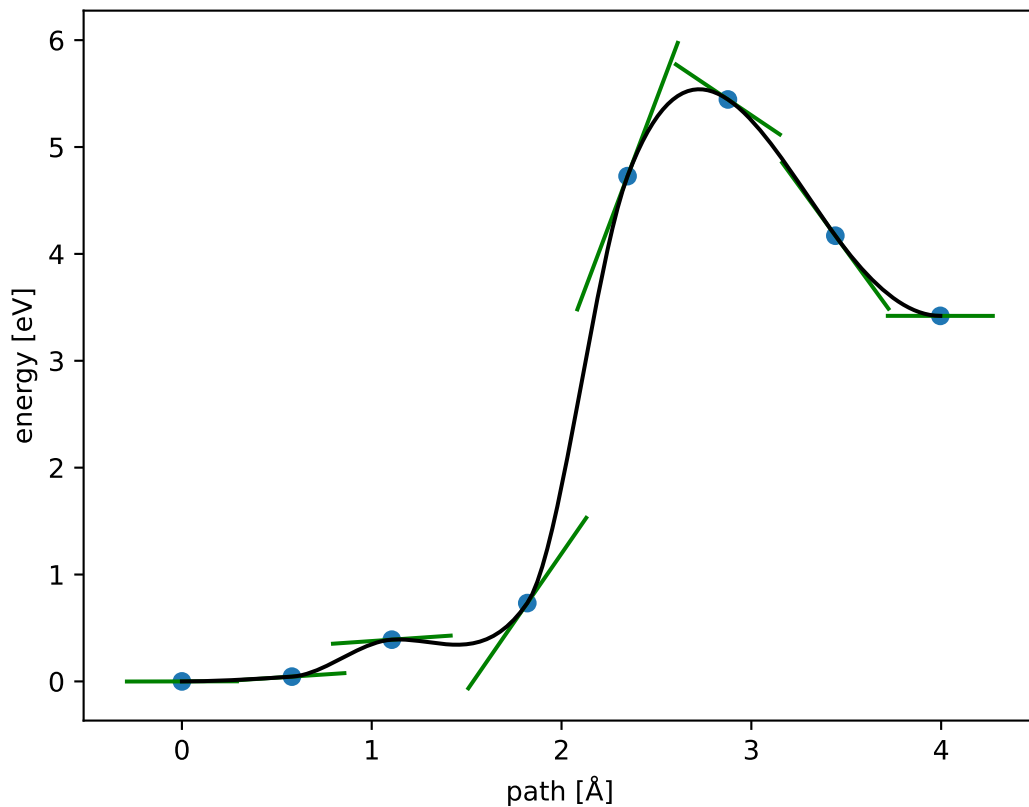
$$E_f \approx 5.538 \text{ eV}; E_r \approx 2.118 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



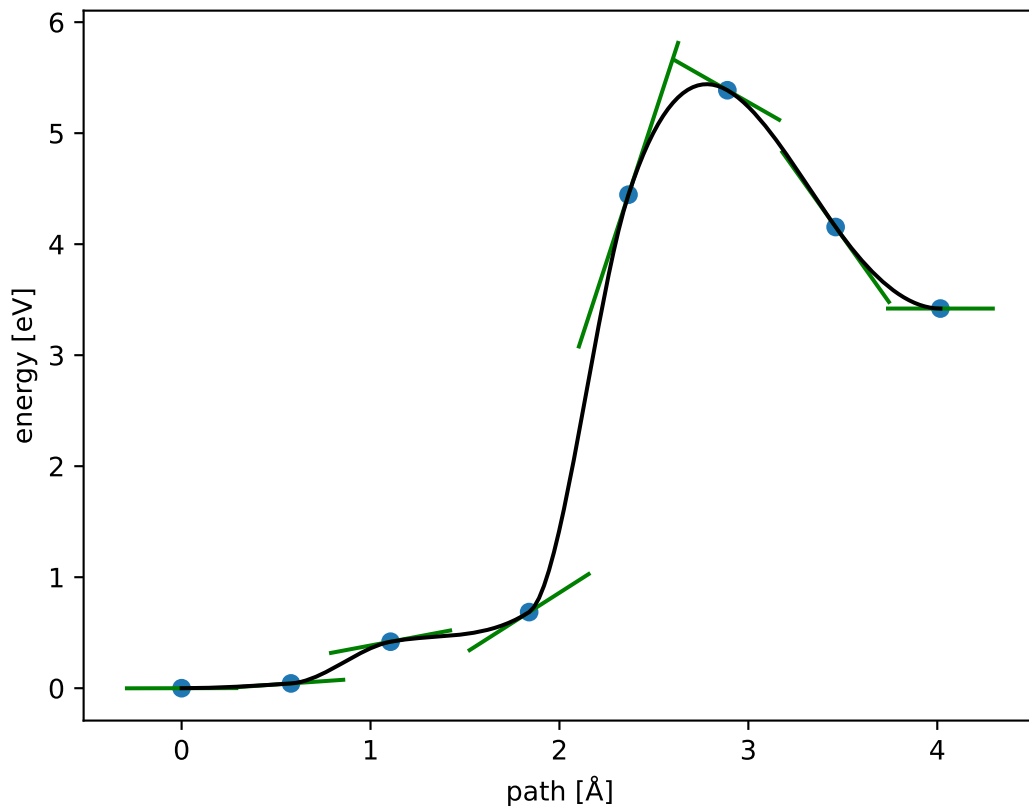
$$E_f \approx 5.496 \text{ eV}; E_r \approx 2.076 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



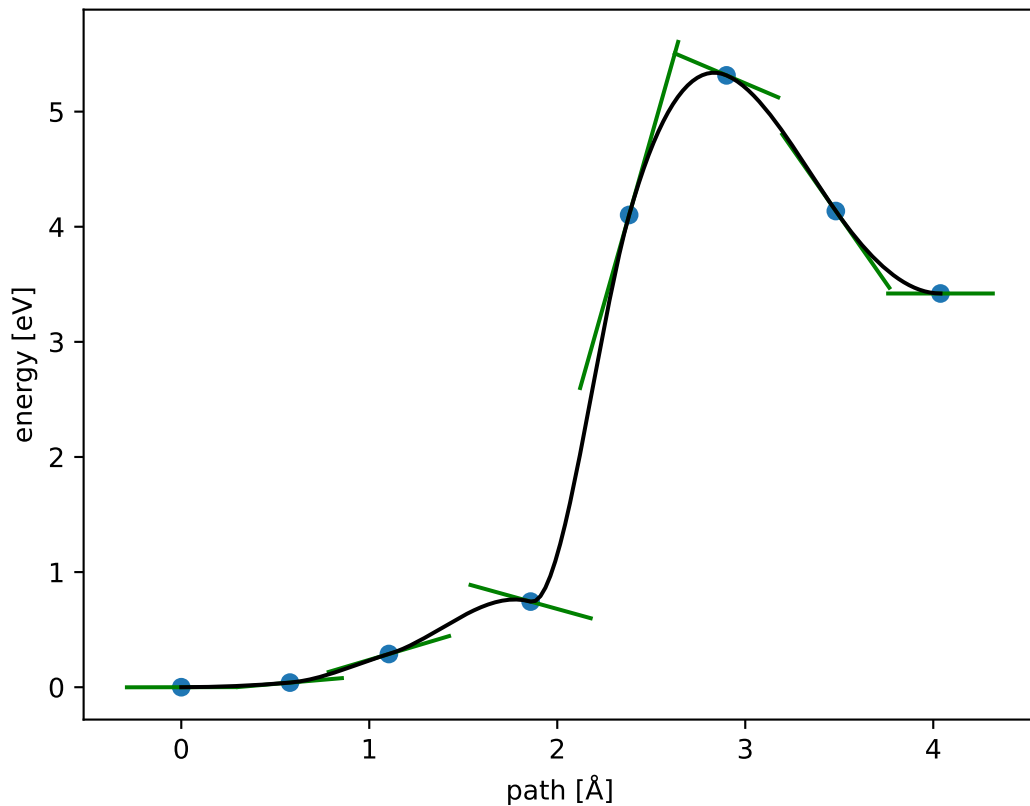
$$E_f \approx 5.445 \text{ eV}; E_r \approx 2.025 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



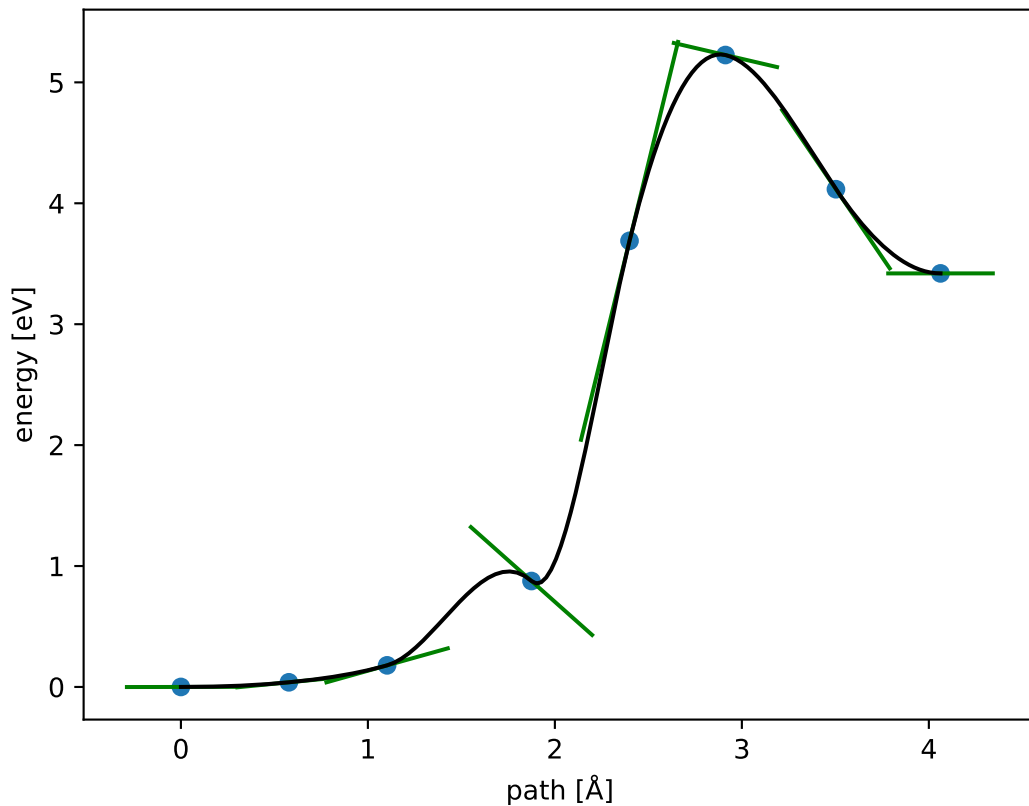
$$E_f \approx 5.387 \text{ eV}; E_r \approx 1.967 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



$$E_f \approx 5.315 \text{ eV}; E_r \approx 1.895 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

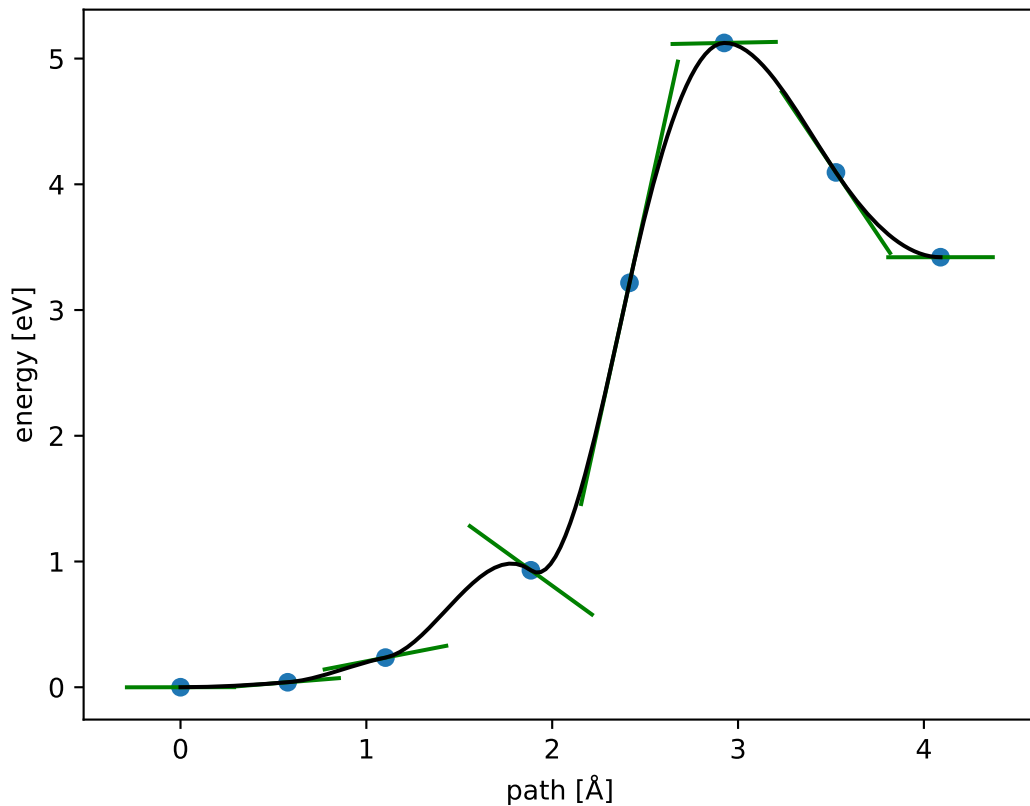


$$E_f \approx 5.226 \text{ eV}; E_r \approx 1.806 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

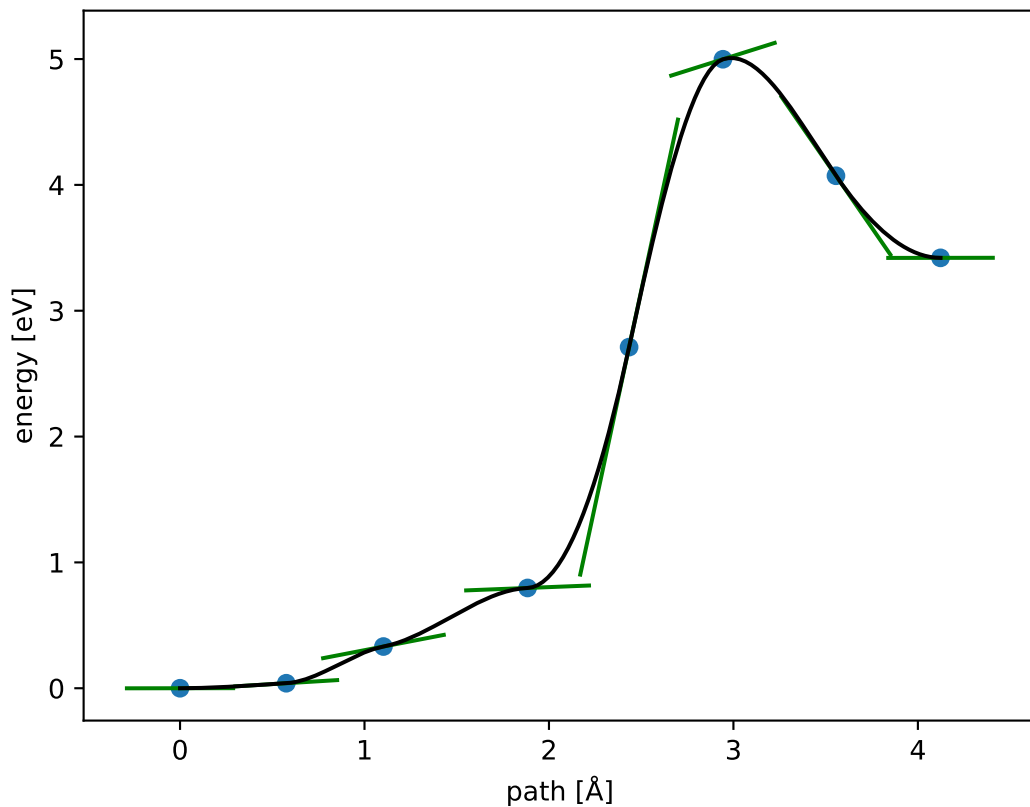




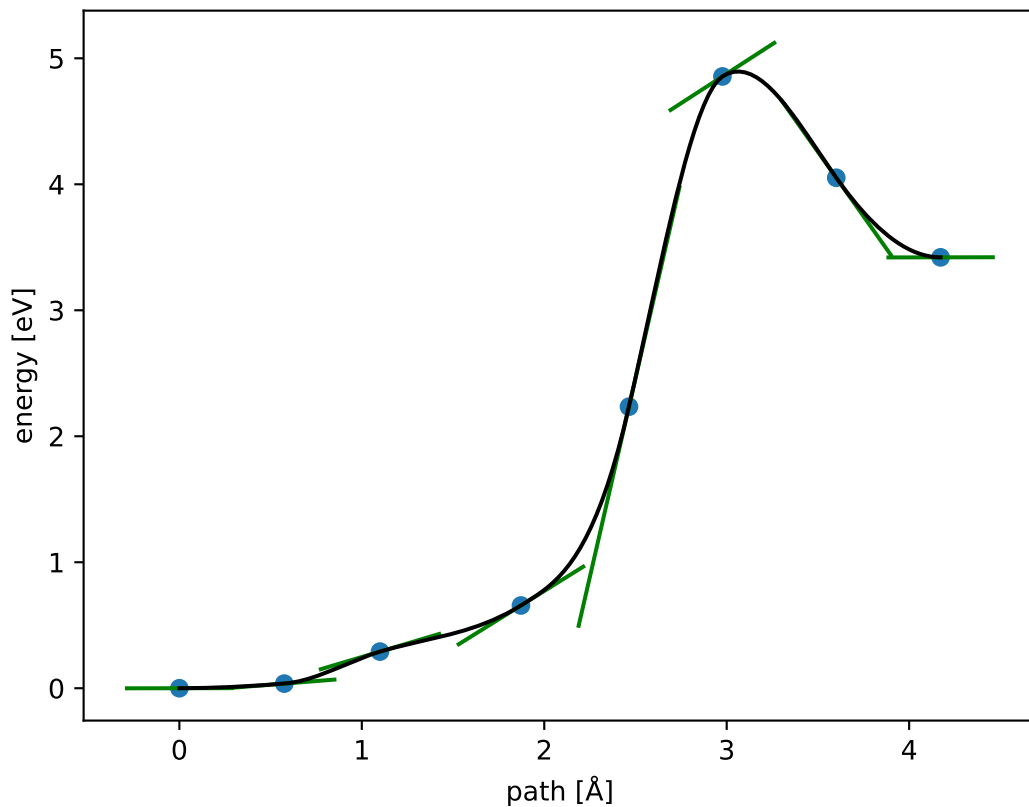
$$E_f \approx 5.124 \text{ eV}; E_r \approx 1.704 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



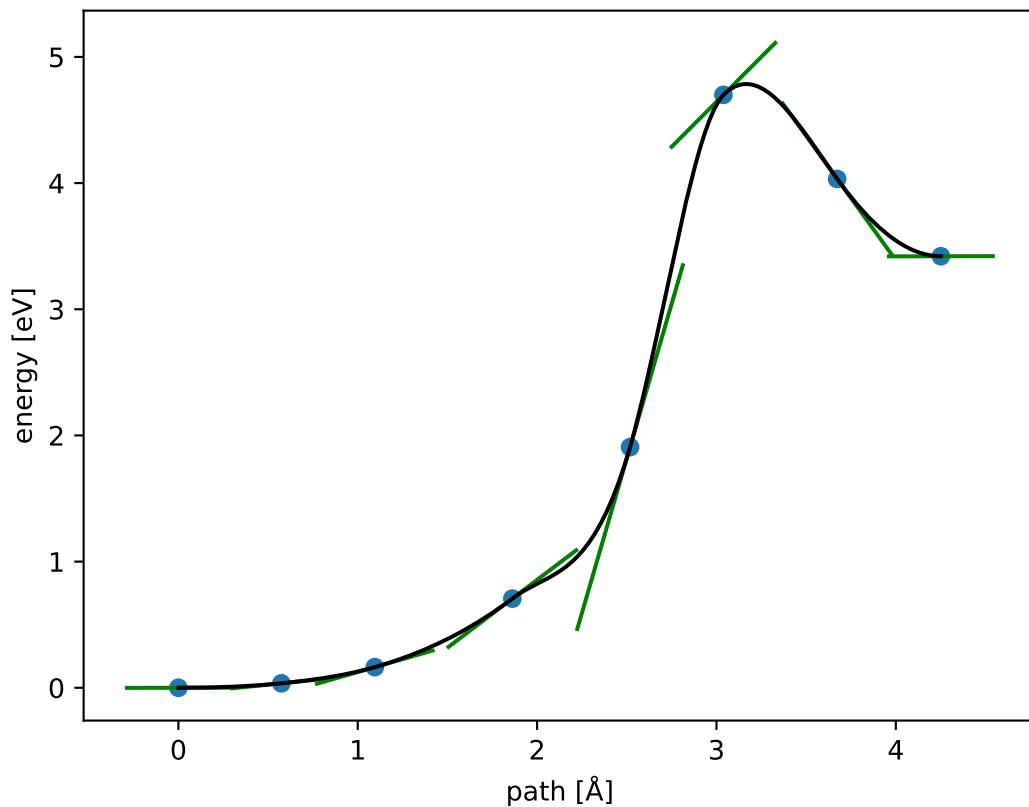
$$E_f \approx 4.998 \text{ eV}; E_r \approx 1.578 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



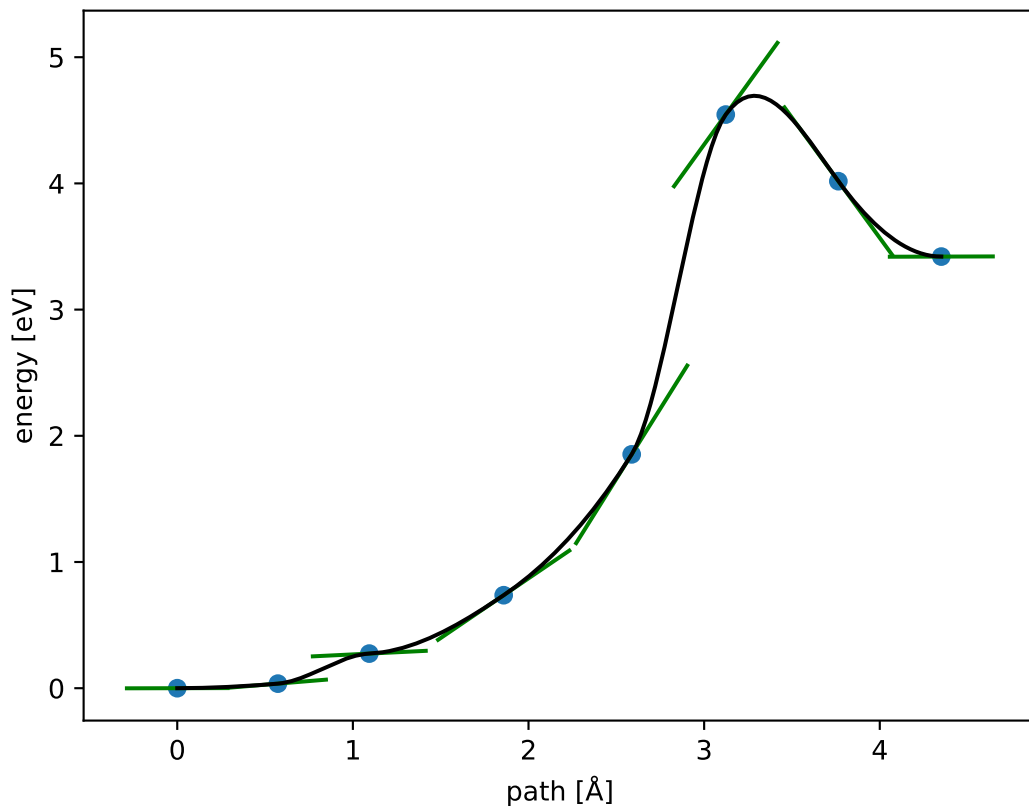
$$E_f \approx 4.856 \text{ eV}; E_r \approx 1.436 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



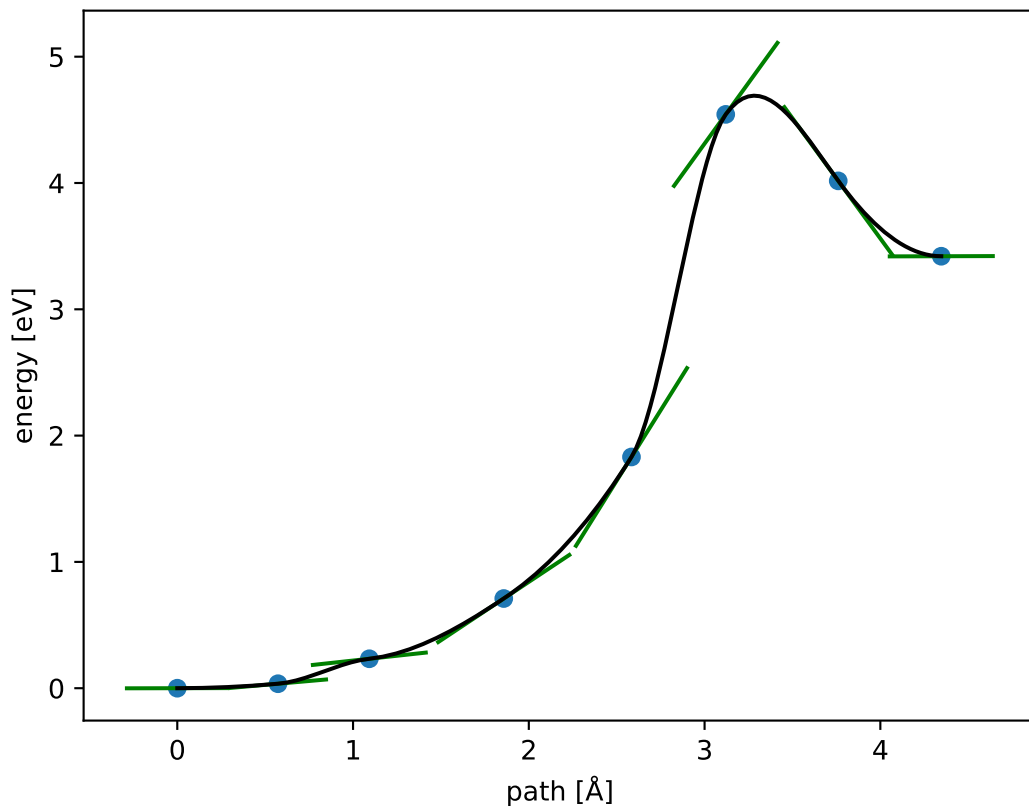
$$E_f \approx 4.699 \text{ eV}; E_r \approx 1.279 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



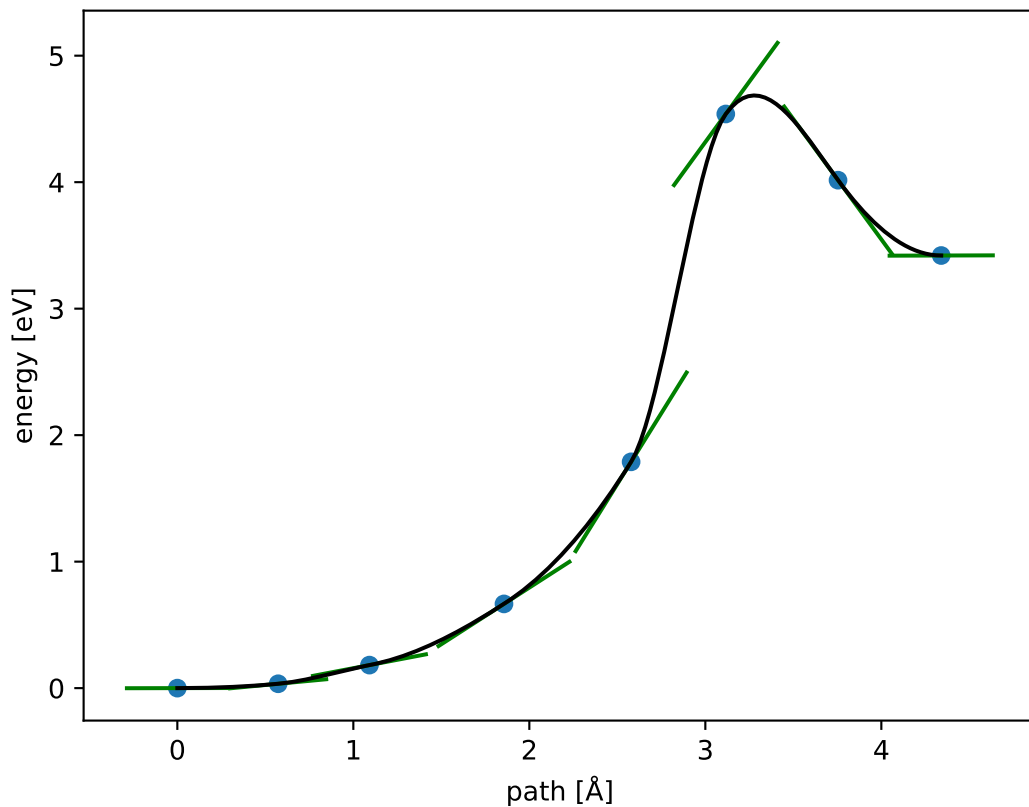
$$E_f \approx 4.545 \text{ eV}; E_r \approx 1.125 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



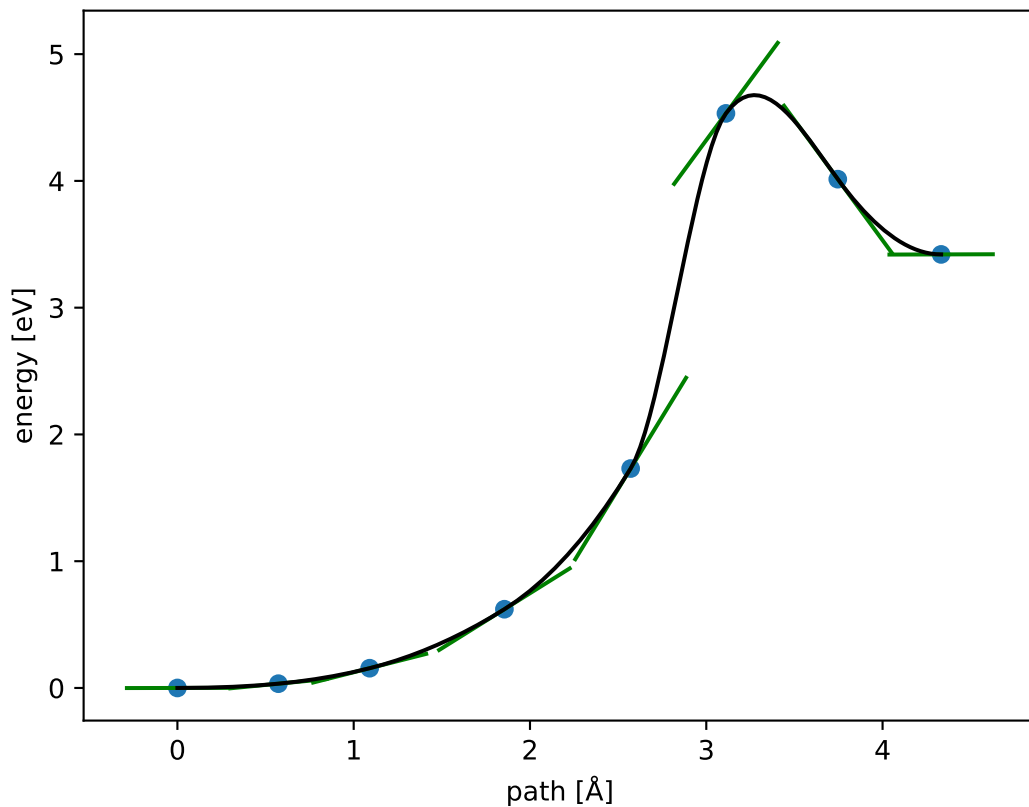
$$E_f \approx 4.543 \text{ eV}; E_r \approx 1.123 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



$$E_f \approx 4.539 \text{ eV}; E_r \approx 1.119 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

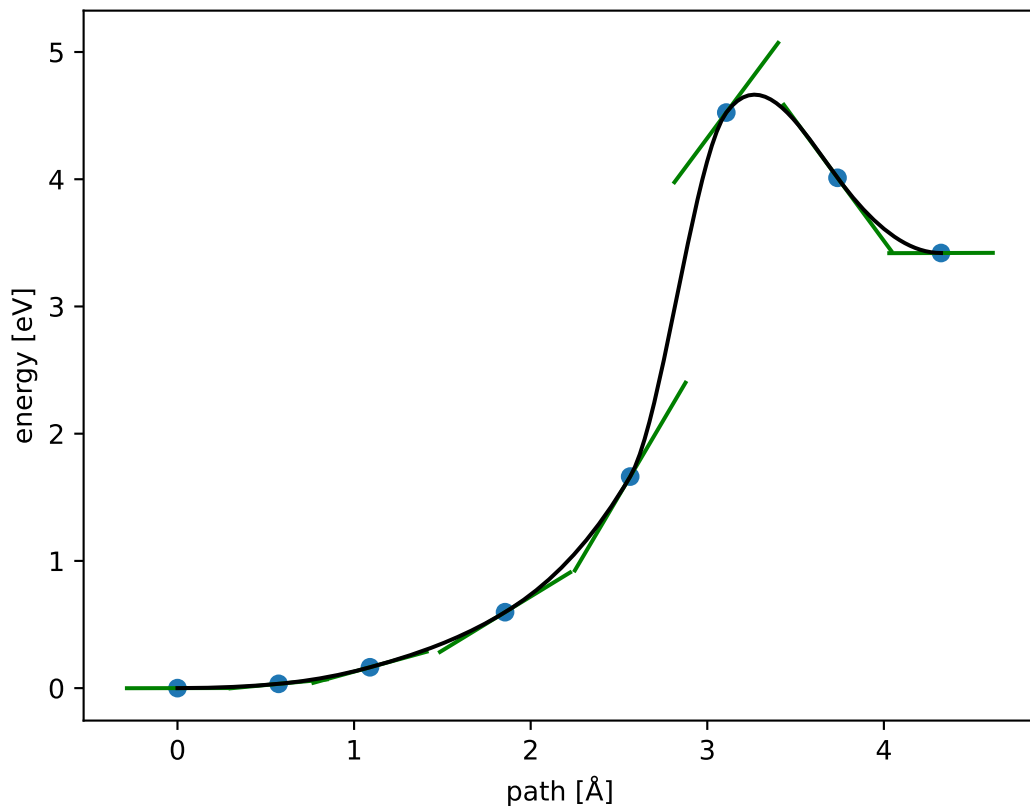


$$E_f \approx 4.533 \text{ eV}; E_r \approx 1.112 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

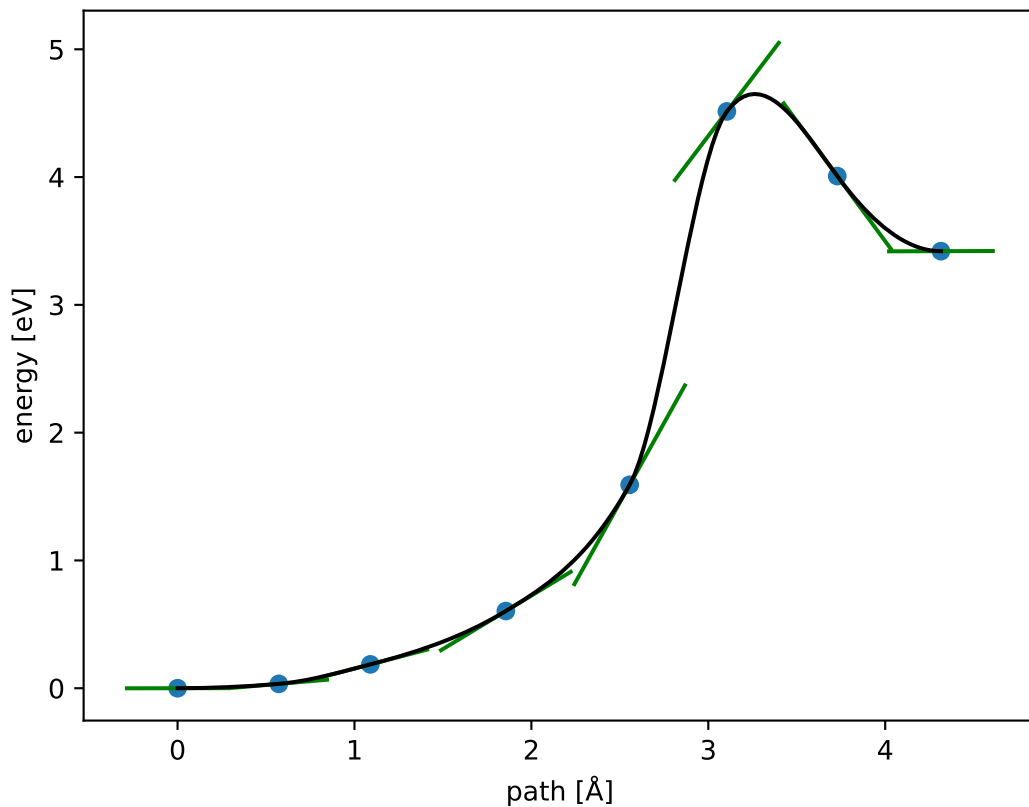




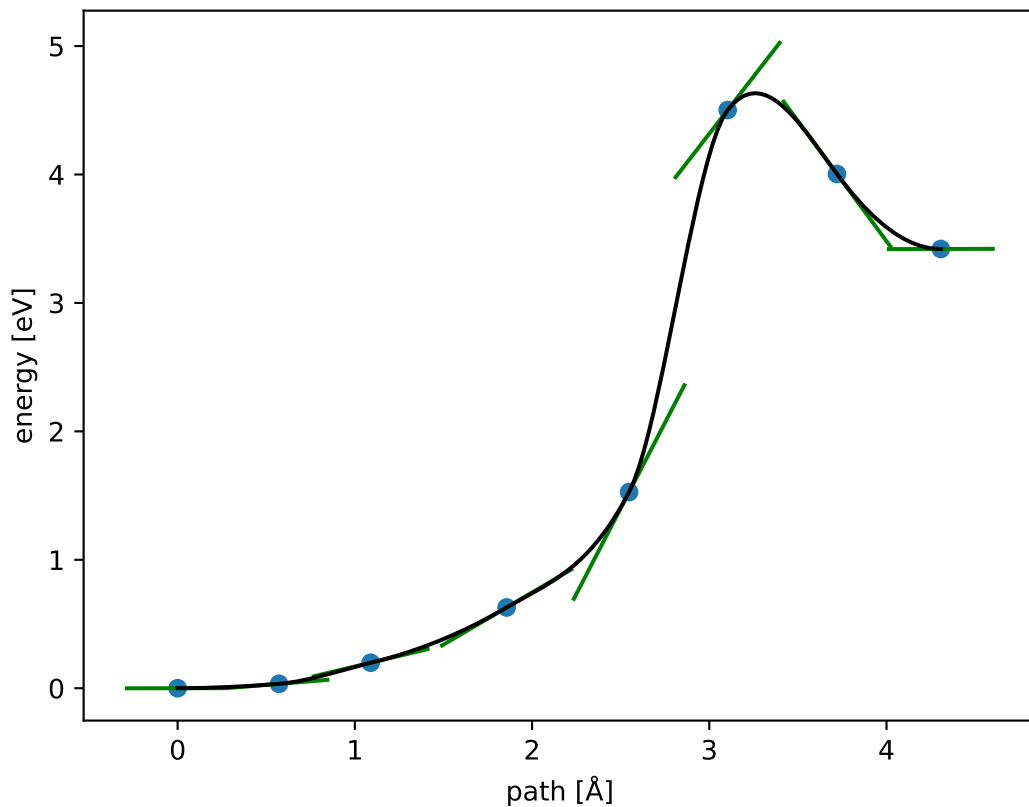
$$E_f \approx 4.524 \text{ eV}; E_r \approx 1.104 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



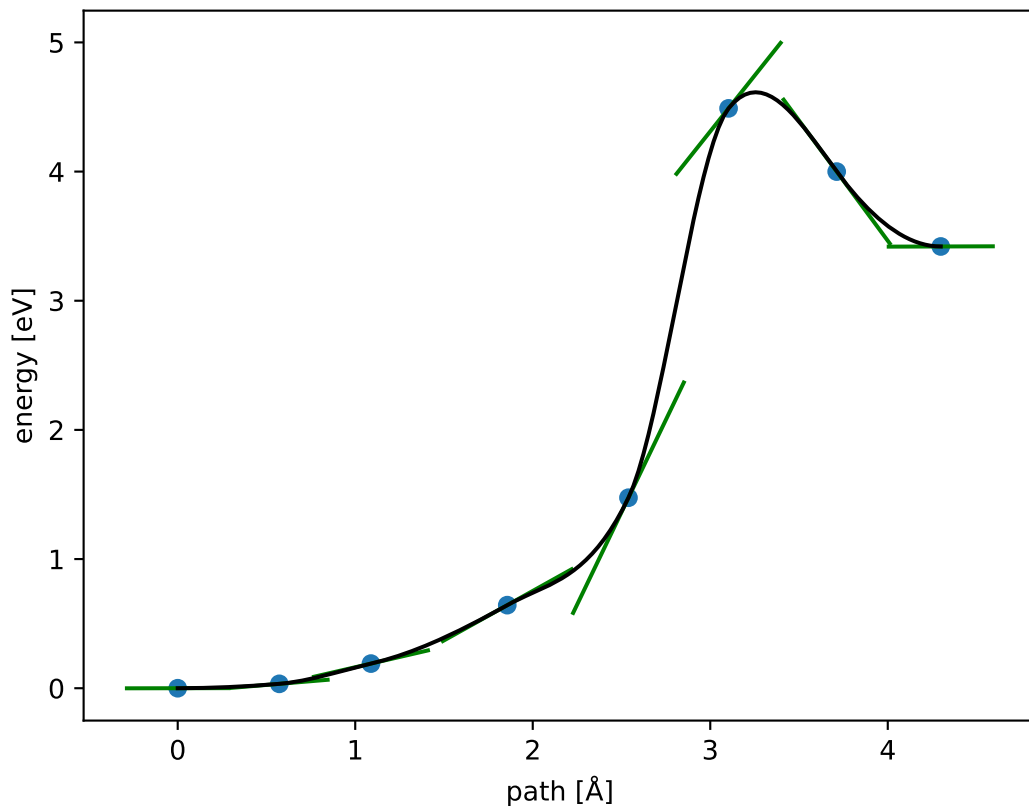
$$E_f \approx 4.514 \text{ eV}; E_r \approx 1.094 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



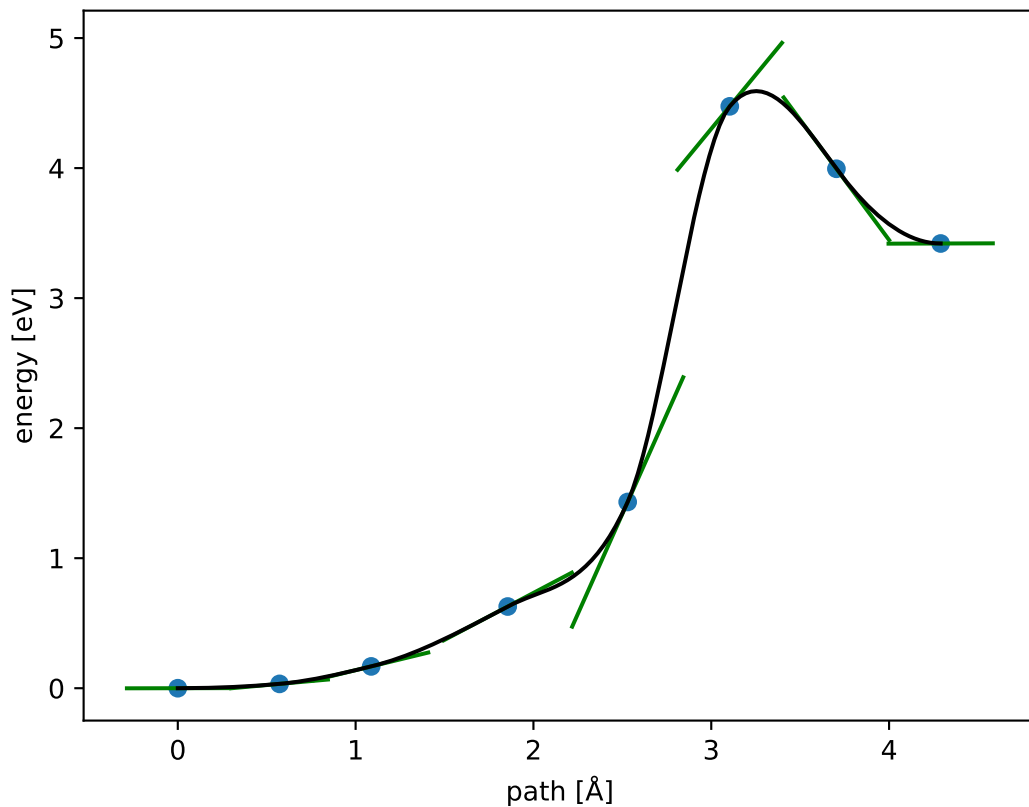
$$E_f \approx 4.502 \text{ eV}; E_r \approx 1.082 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



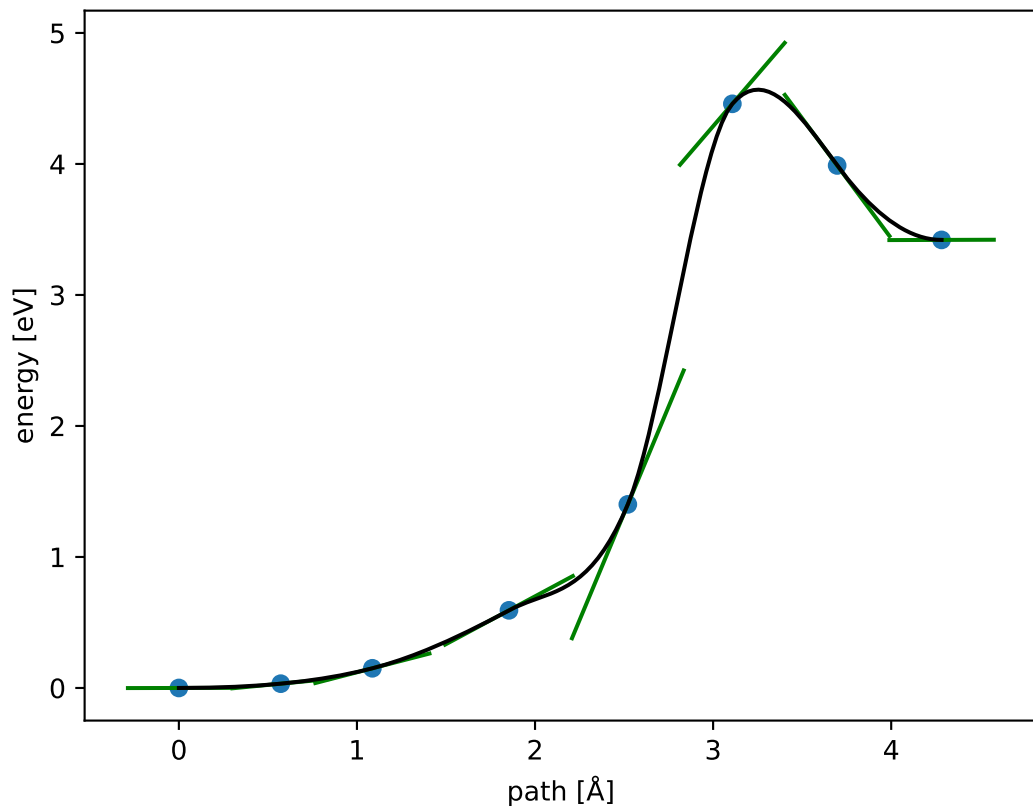
$$E_f \approx 4.489 \text{ eV}; E_r \approx 1.069 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



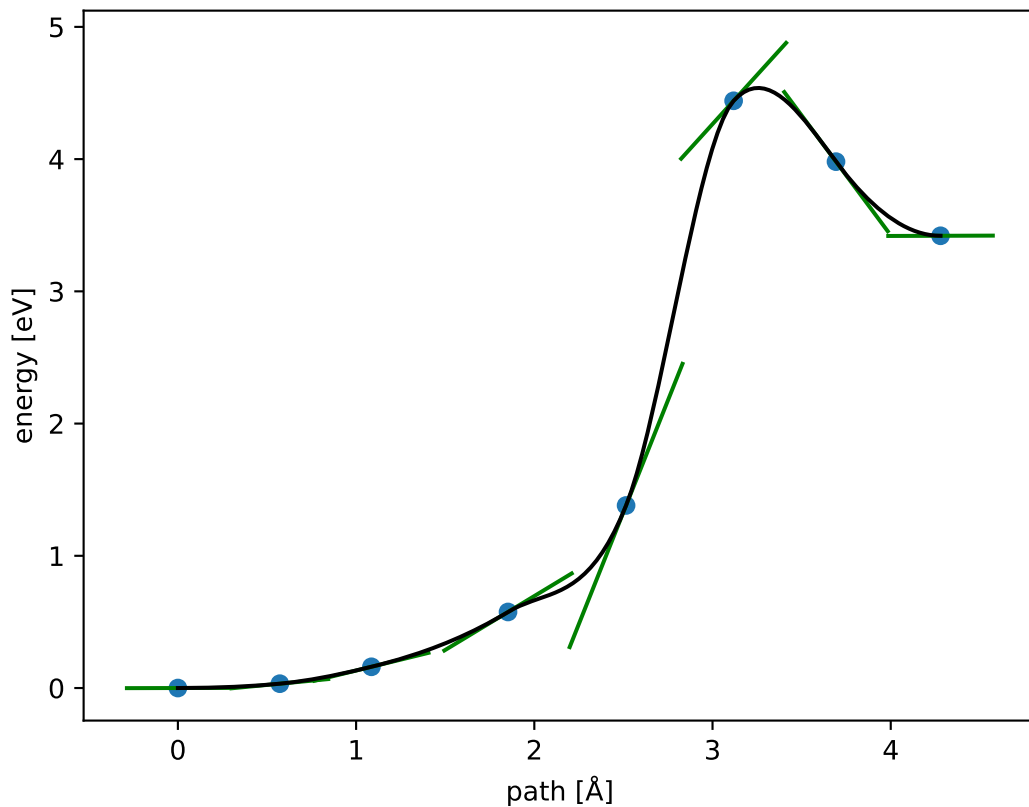
$$E_f \approx 4.475 \text{ eV}; E_r \approx 1.055 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



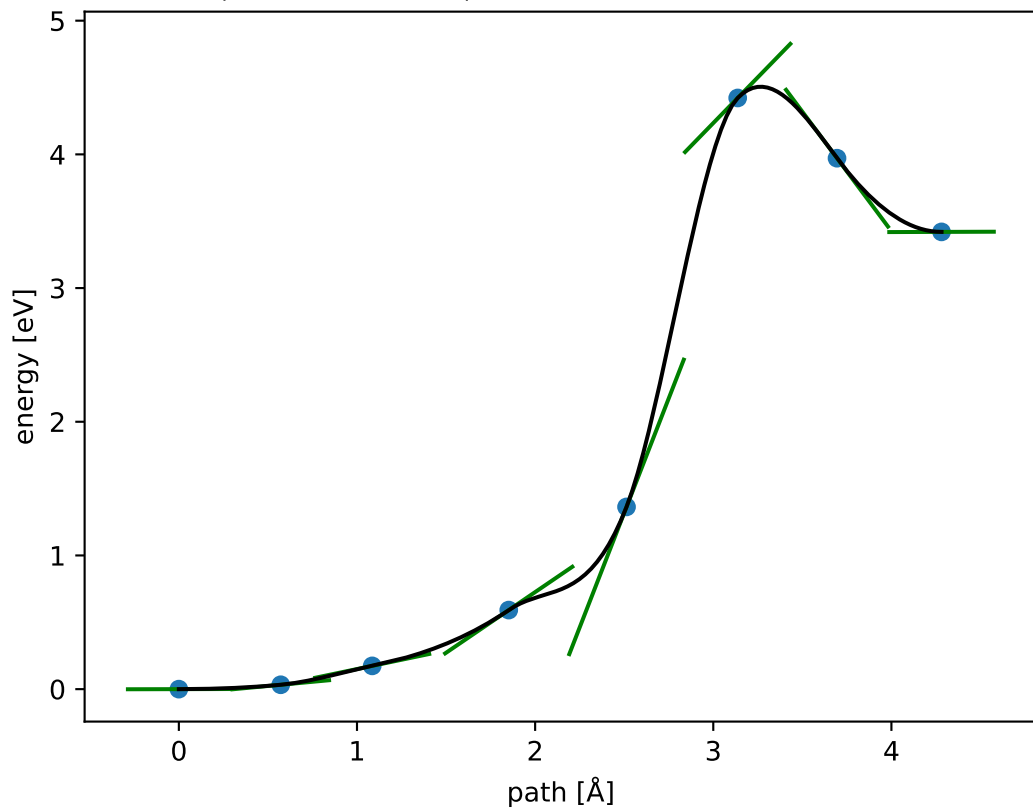
$$E_f \approx 4.459 \text{ eV}; E_r \approx 1.039 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



$$E_f \approx 4.441 \text{ eV}; E_r \approx 1.021 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

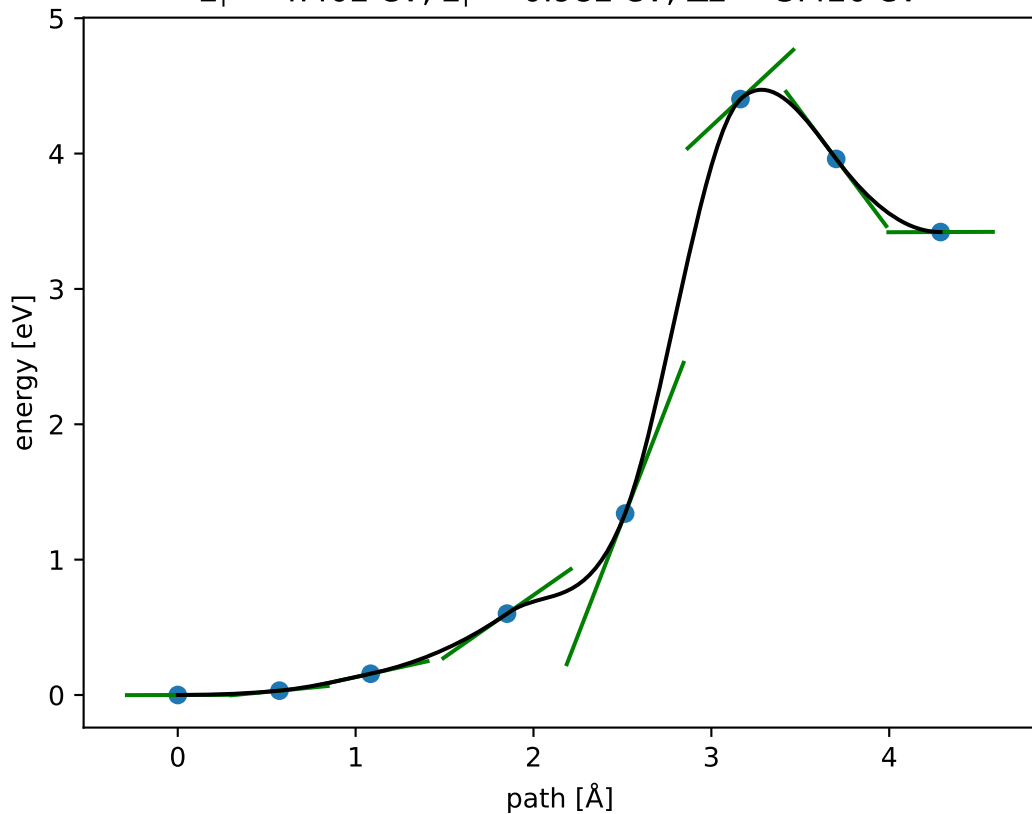


$$E_f \approx 4.422 \text{ eV}; E_r \approx 1.002 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

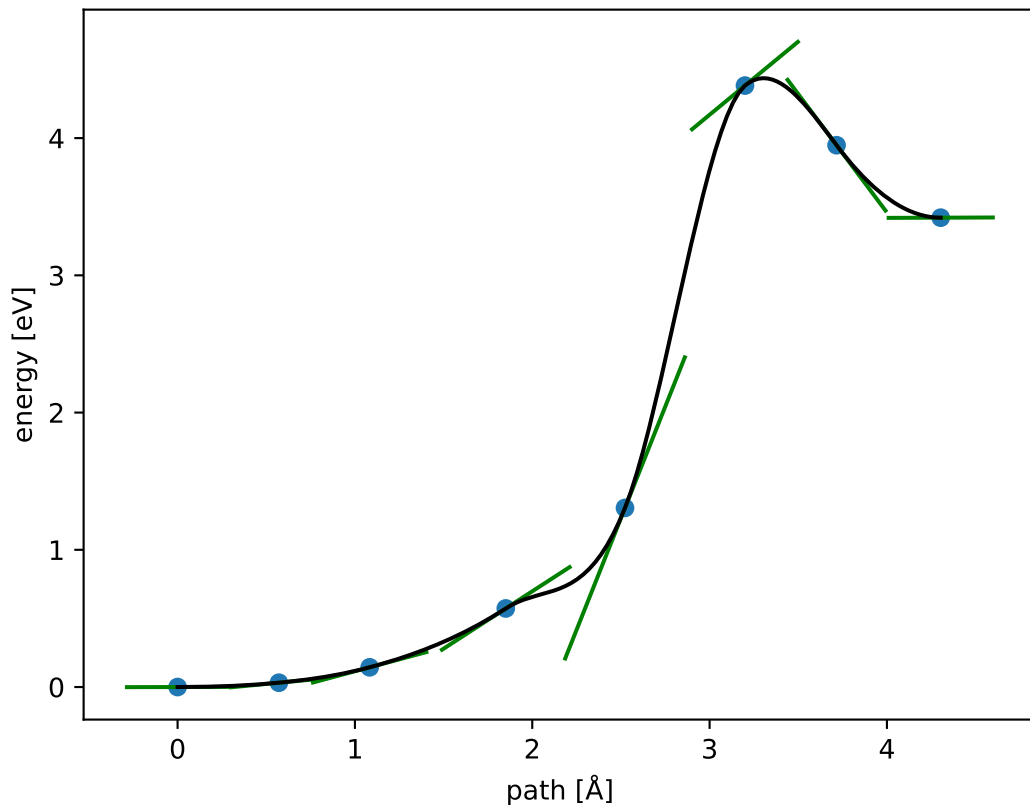




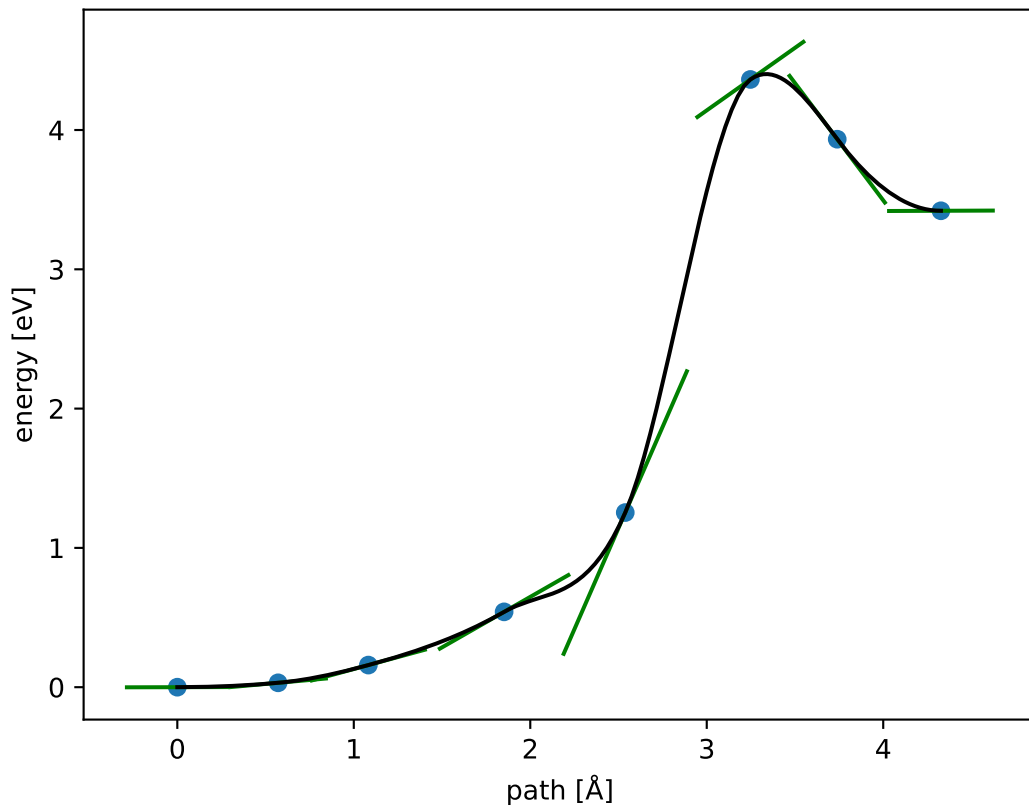
$$E_f \approx 4.402 \text{ eV}; E_r \approx 0.982 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



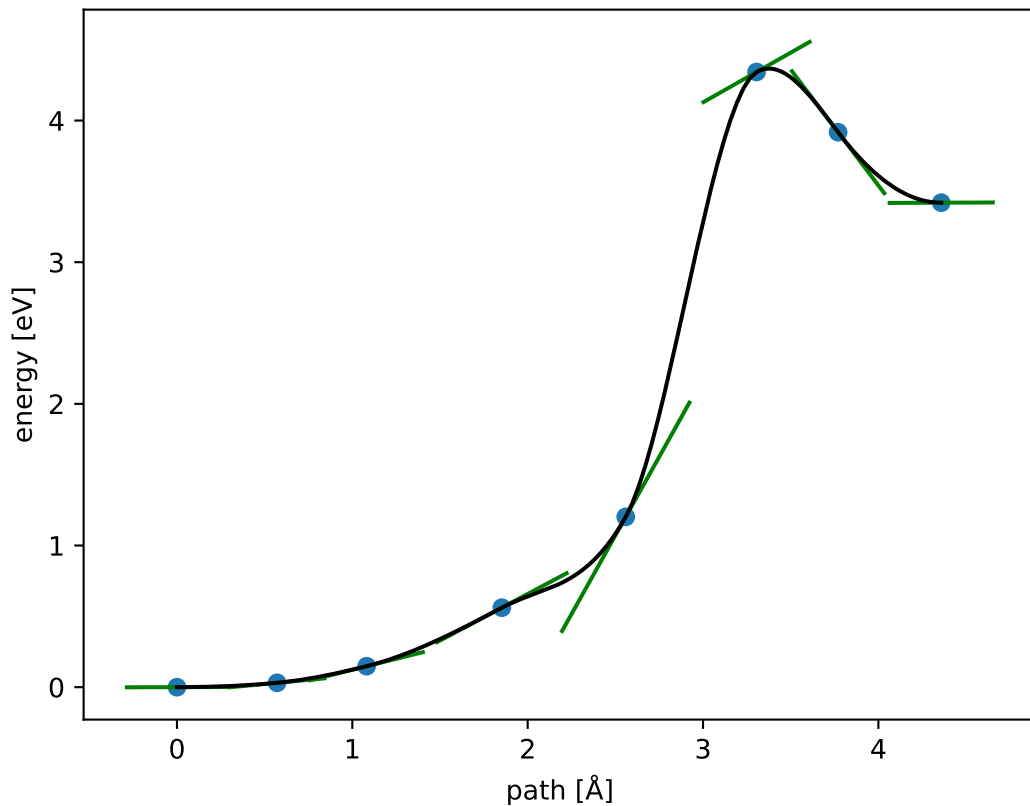
$$E_f \approx 4.383 \text{ eV}; E_r \approx 0.963 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



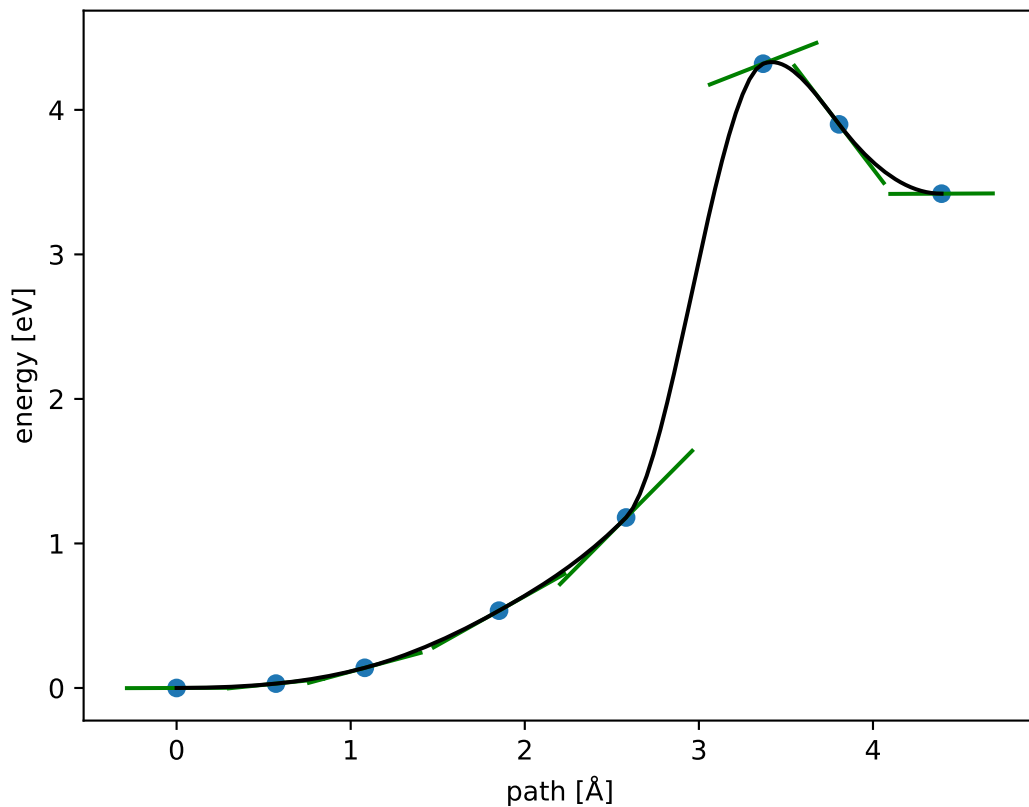
$$E_f \approx 4.363 \text{ eV}; E_r \approx 0.943 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



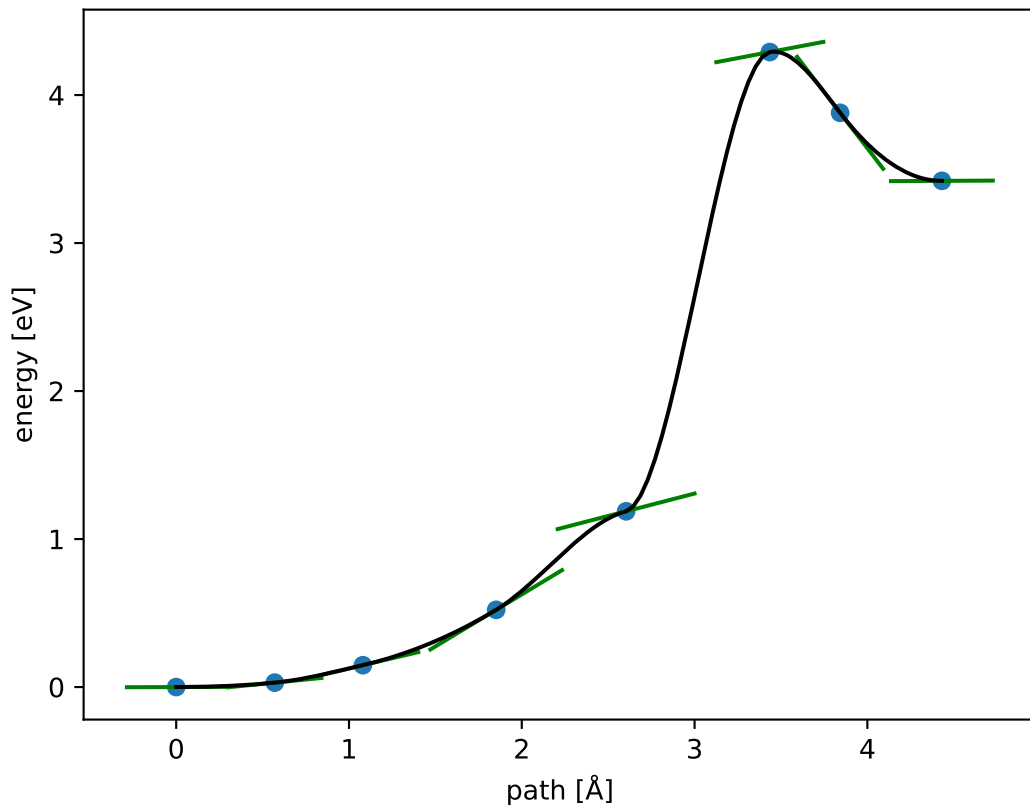
$$E_f \approx 4.343 \text{ eV}; E_r \approx 0.923 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



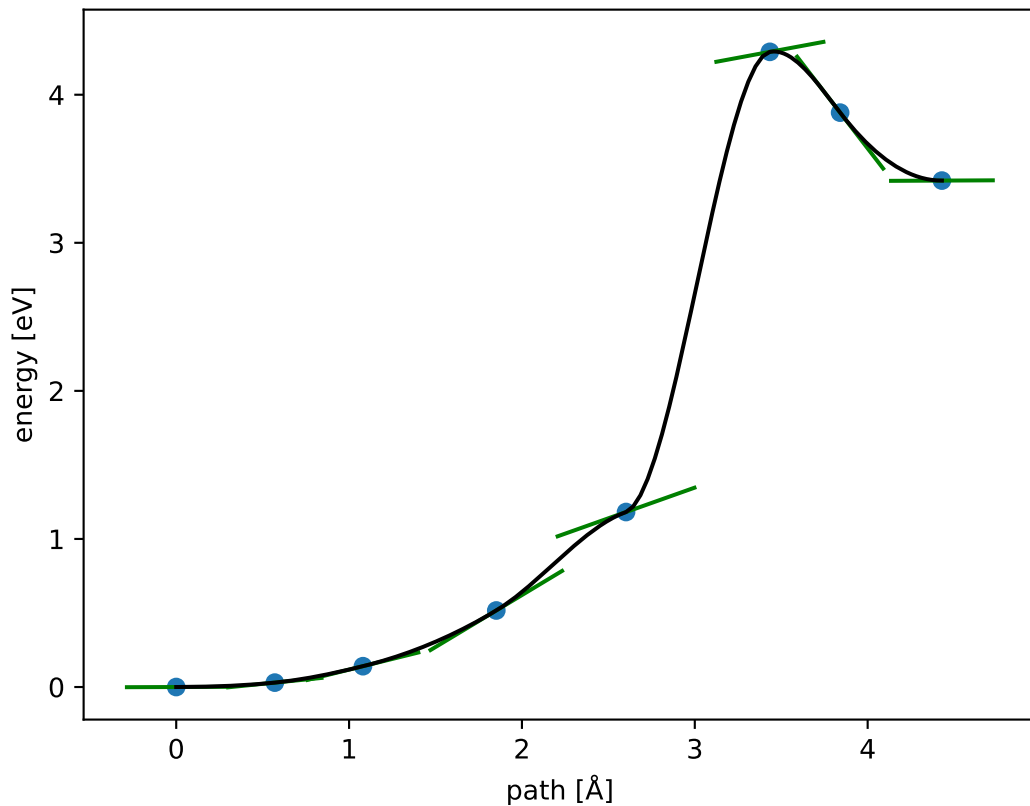
$$E_f \approx 4.319 \text{ eV}; E_r \approx 0.899 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



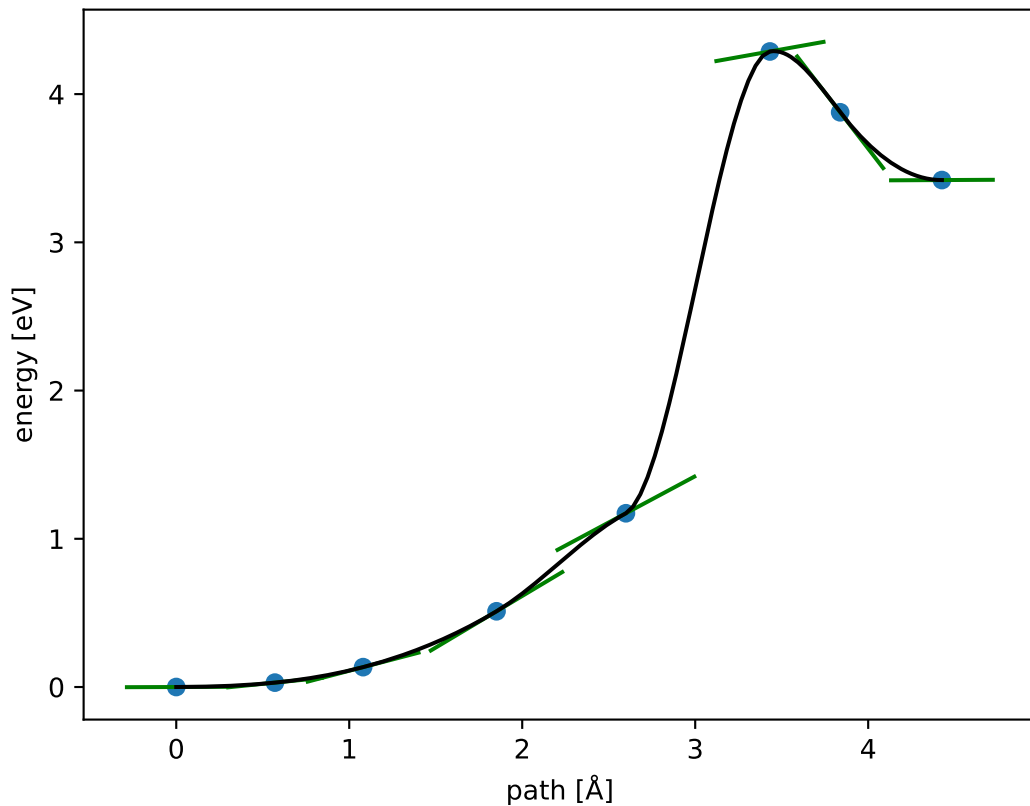
$$E_f \approx 4.291 \text{ eV}; E_r \approx 0.870 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



$$E_f \approx 4.290 \text{ eV}; E_r \approx 0.869 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

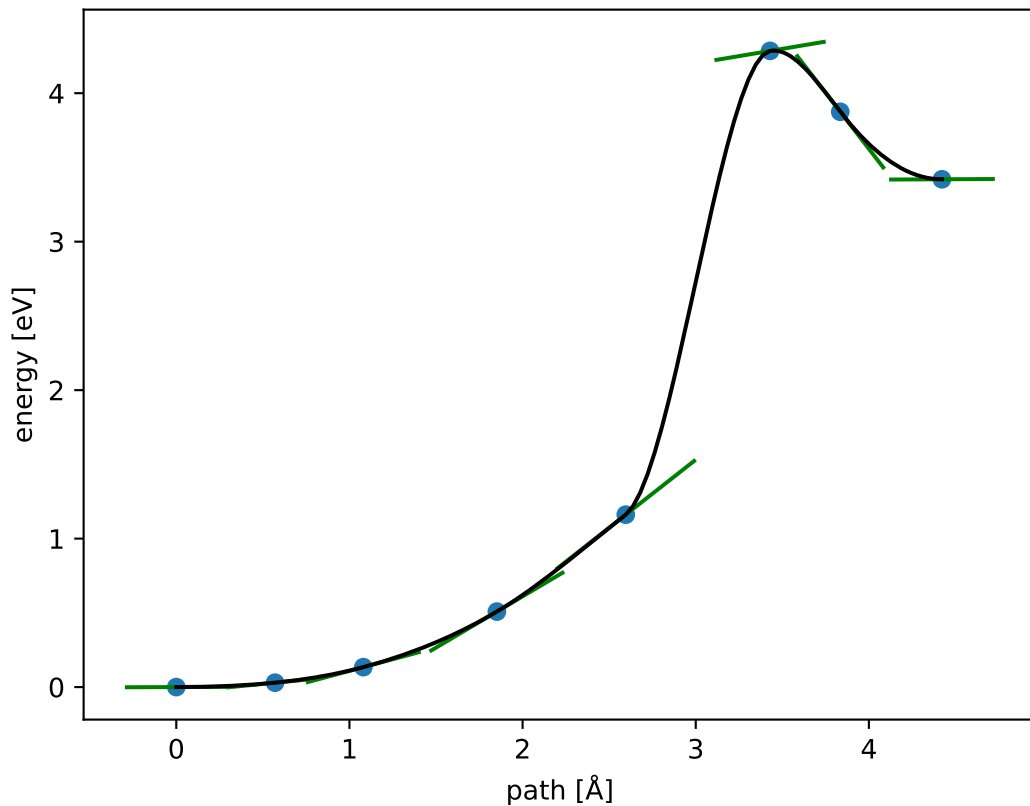


$$E_f \approx 4.288 \text{ eV}; E_r \approx 0.868 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

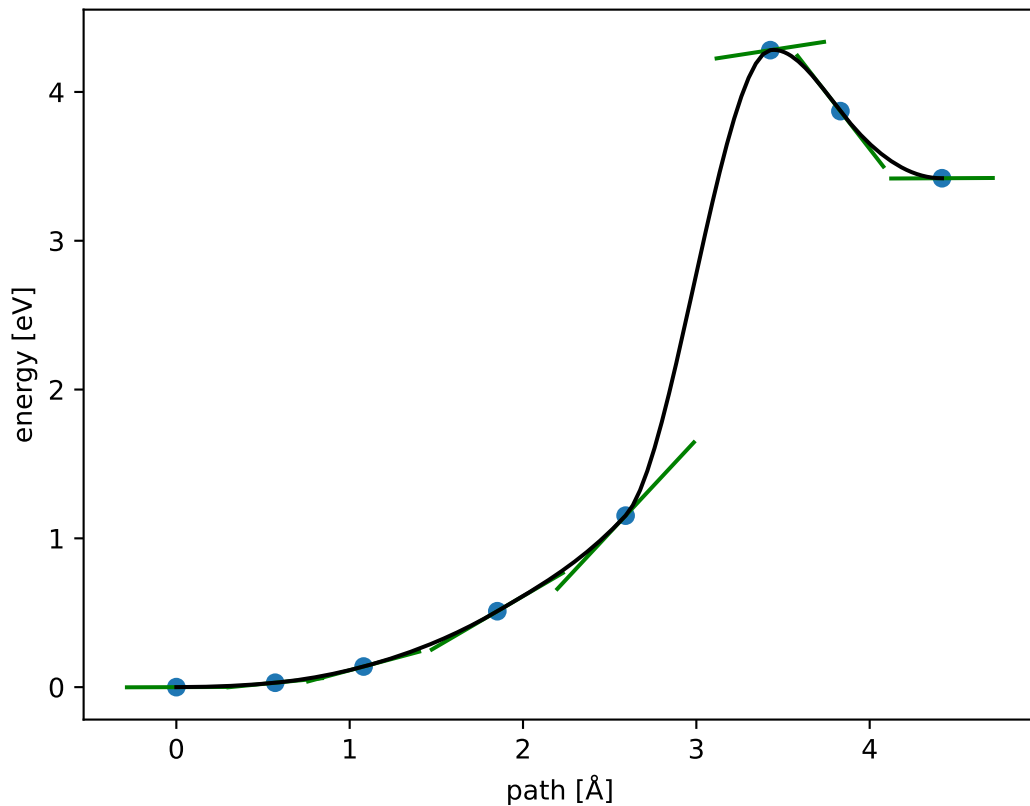




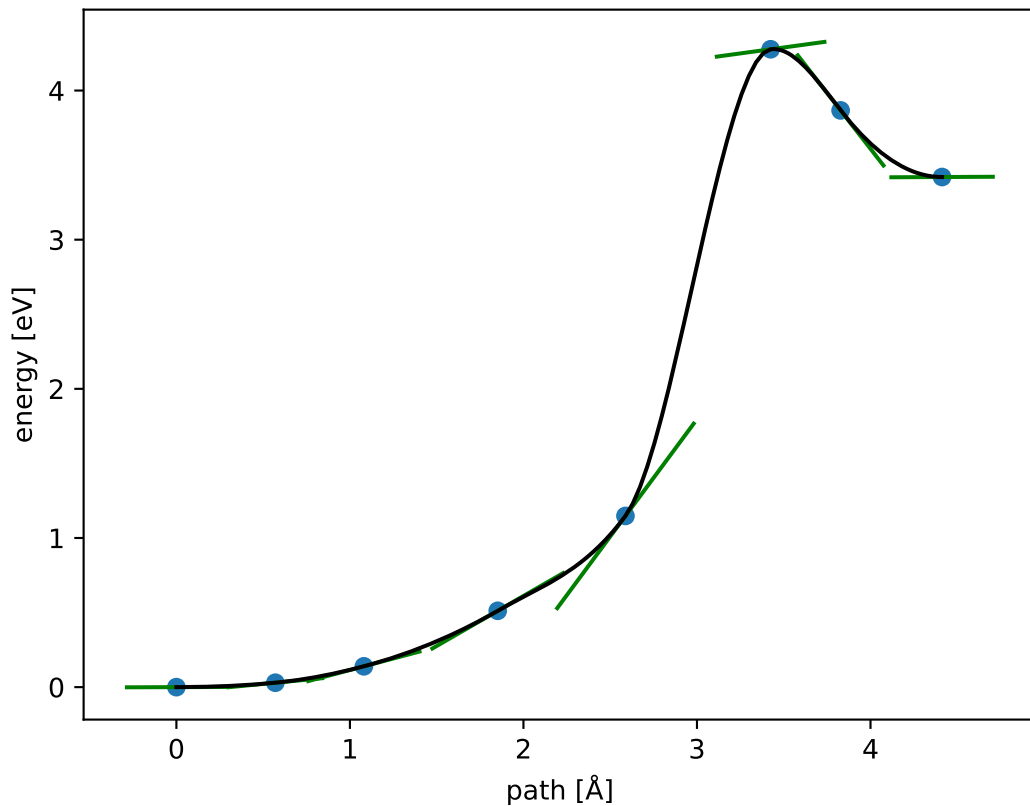
$$E_f \approx 4.285 \text{ eV}; E_r \approx 0.865 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



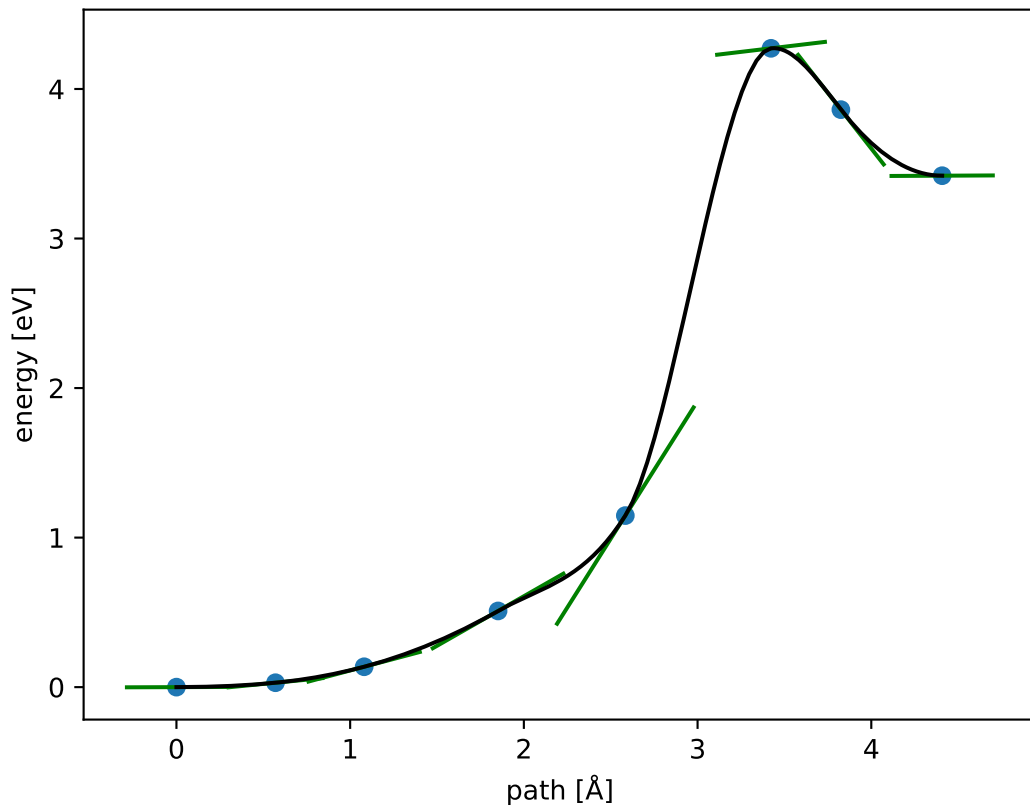
$$E_f \approx 4.281 \text{ eV}; E_r \approx 0.861 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



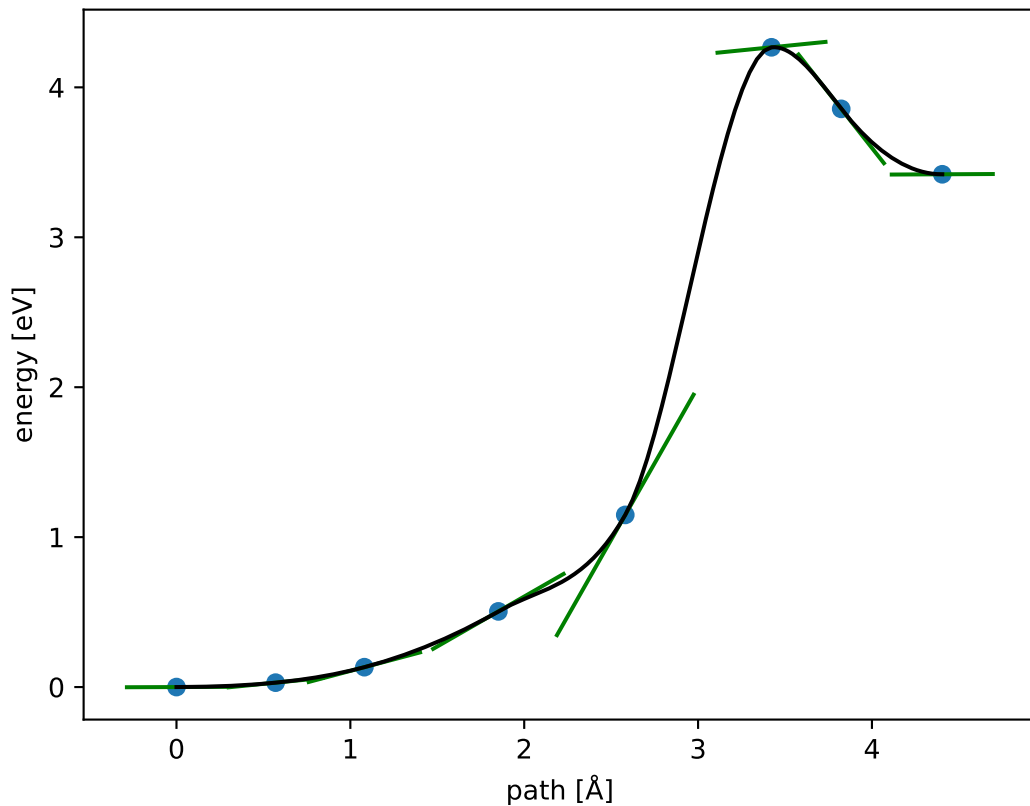
$$E_f \approx 4.277 \text{ eV}; E_r \approx 0.857 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



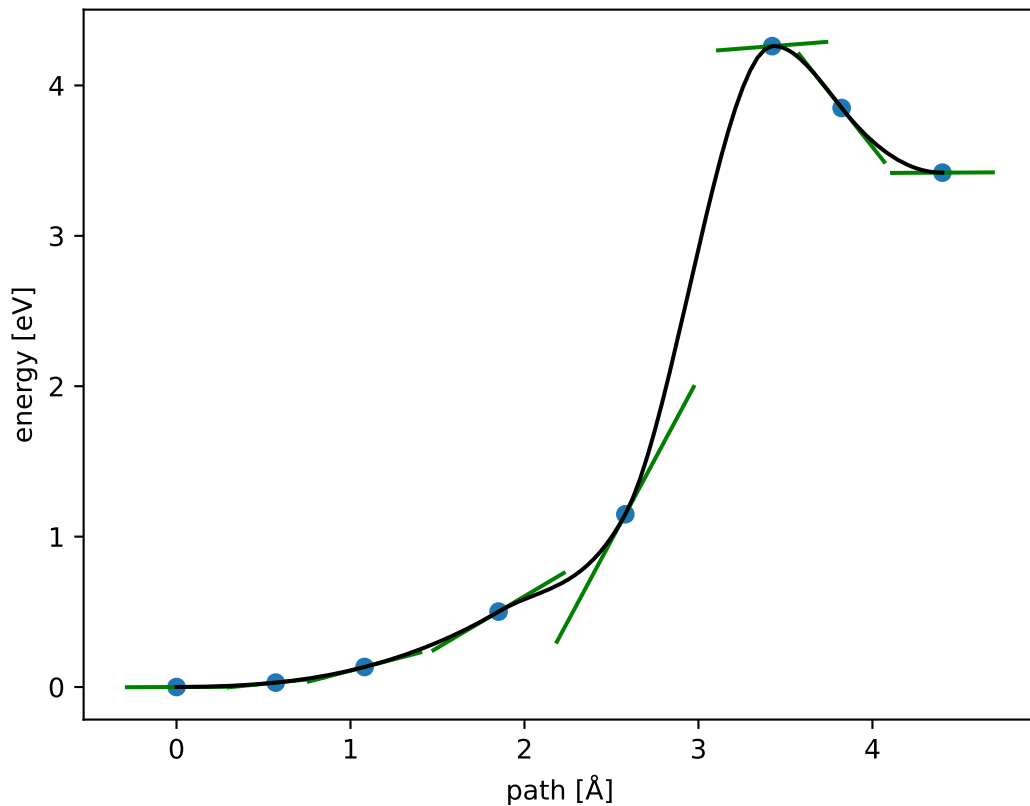
$$E_f \approx 4.272 \text{ eV}; E_r \approx 0.852 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



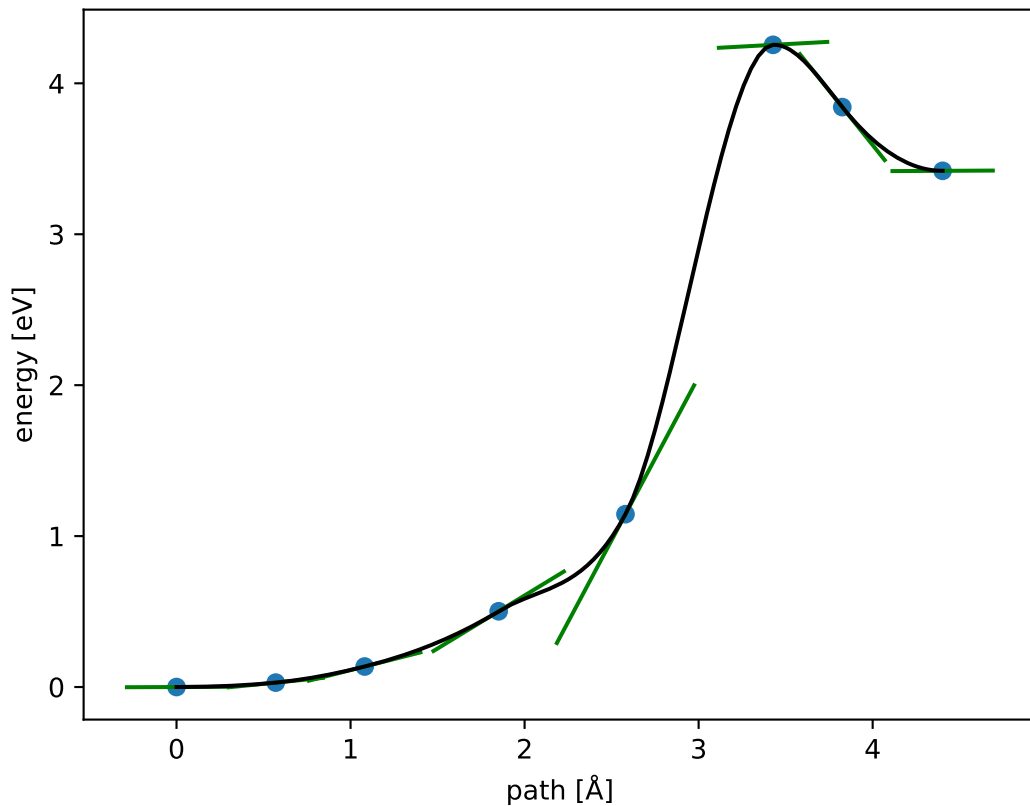
$$E_f \approx 4.267 \text{ eV}; E_r \approx 0.847 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



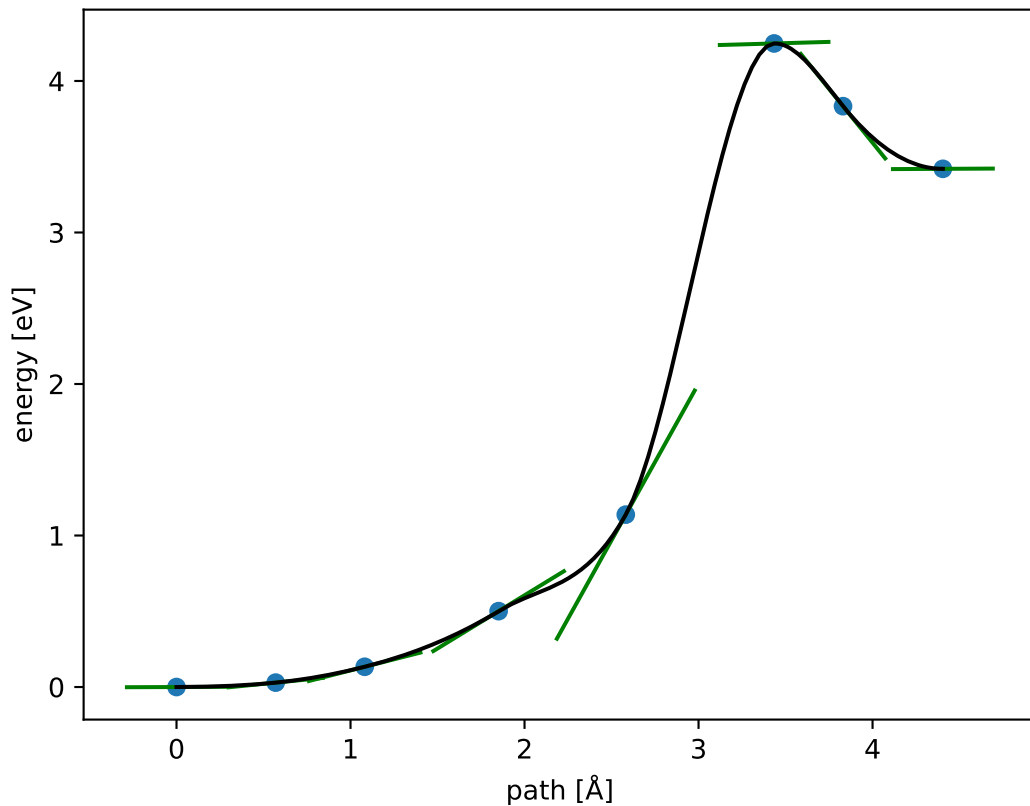
$$E_f \approx 4.261 \text{ eV}; E_r \approx 0.841 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



$$E_f \approx 4.255 \text{ eV}; E_r \approx 0.835 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

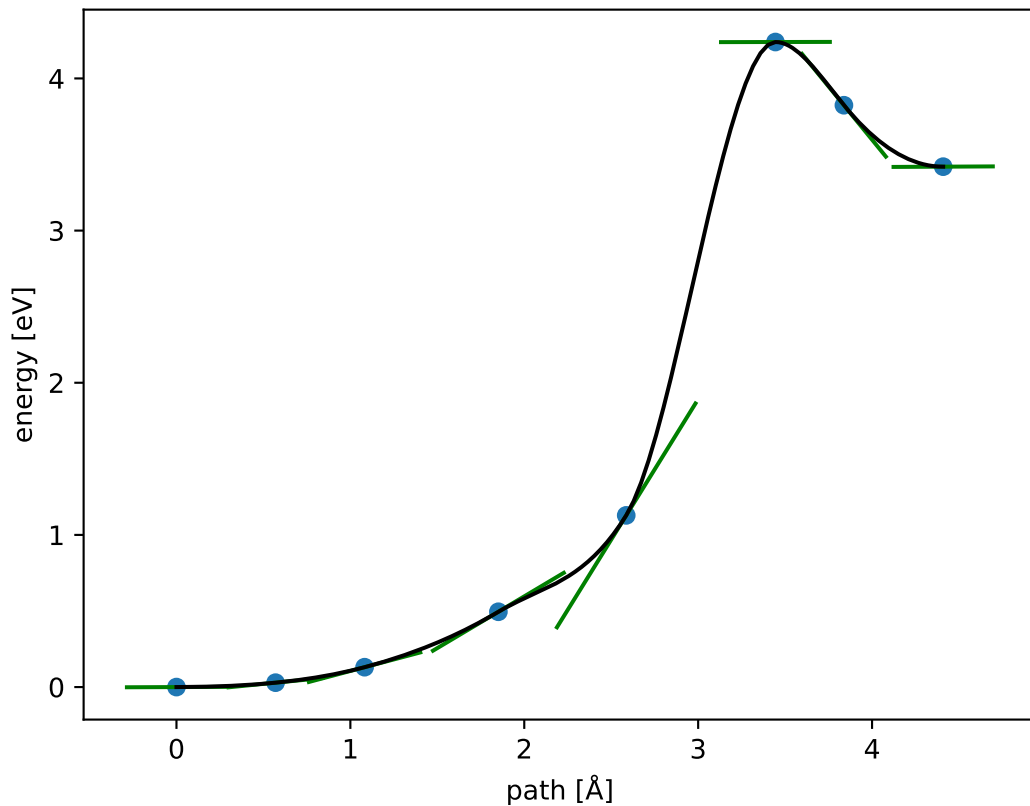


$$E_f \approx 4.248 \text{ eV}; E_r \approx 0.827 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

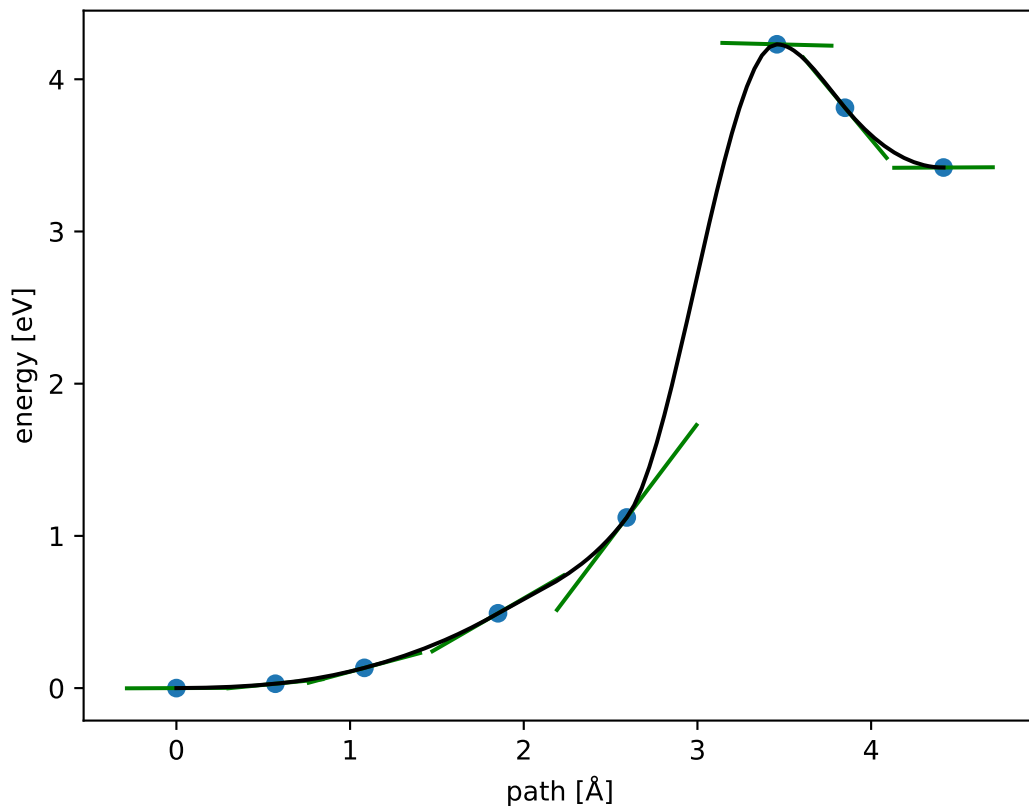




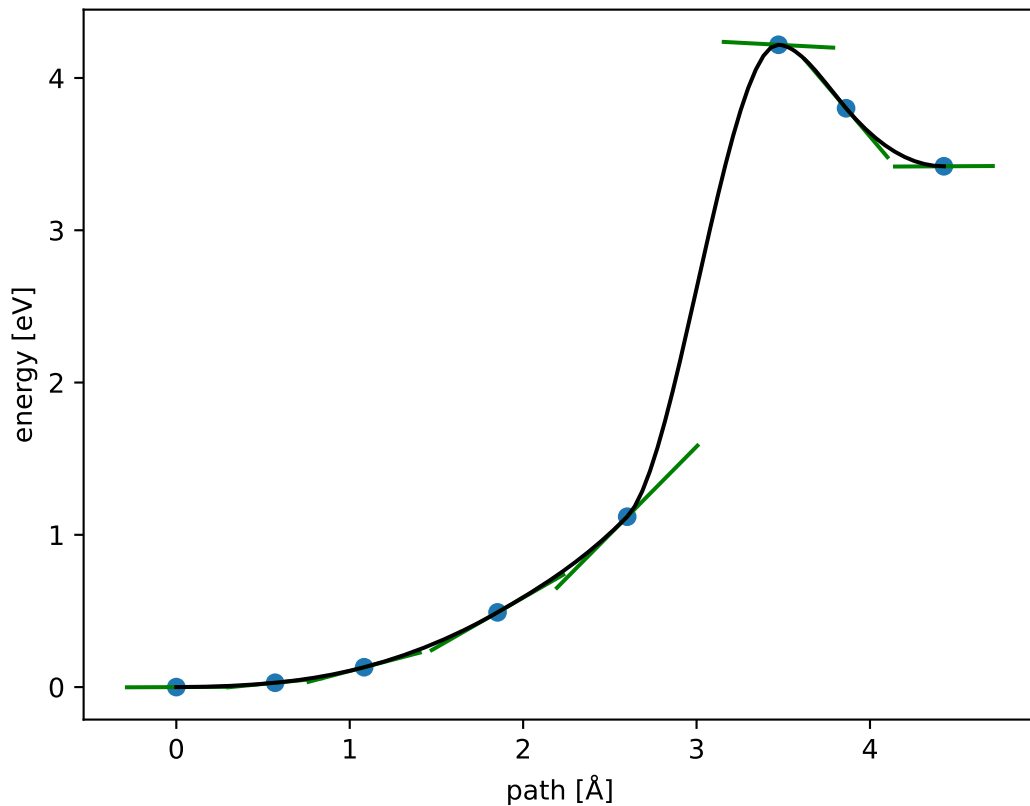
$$E_f \approx 4.239 \text{ eV}; E_r \approx 0.819 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



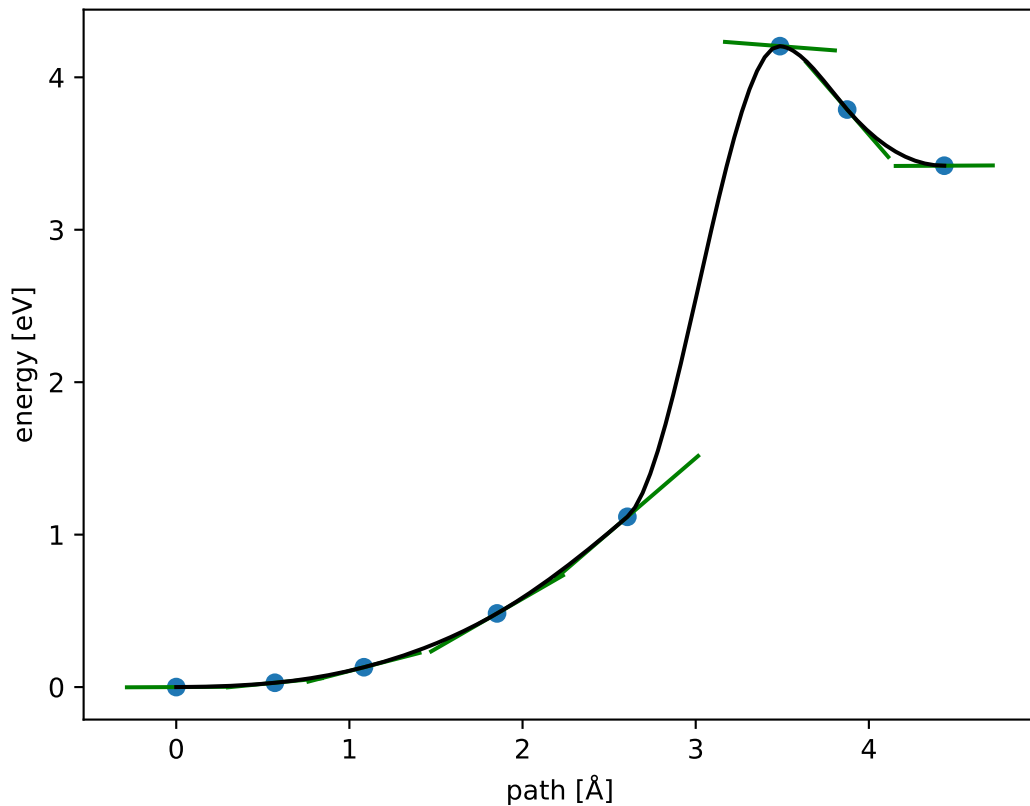
$$E_f \approx 4.230 \text{ eV}; E_r \approx 0.810 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



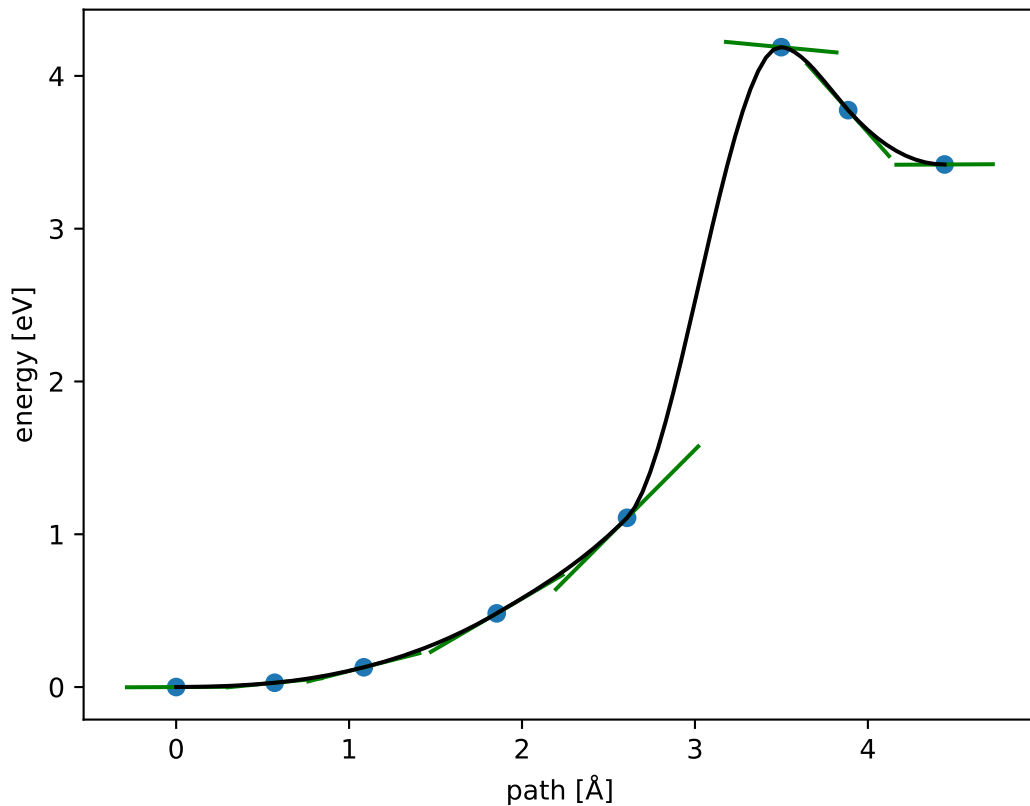
$$E_f \approx 4.218 \text{ eV}; E_r \approx 0.798 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



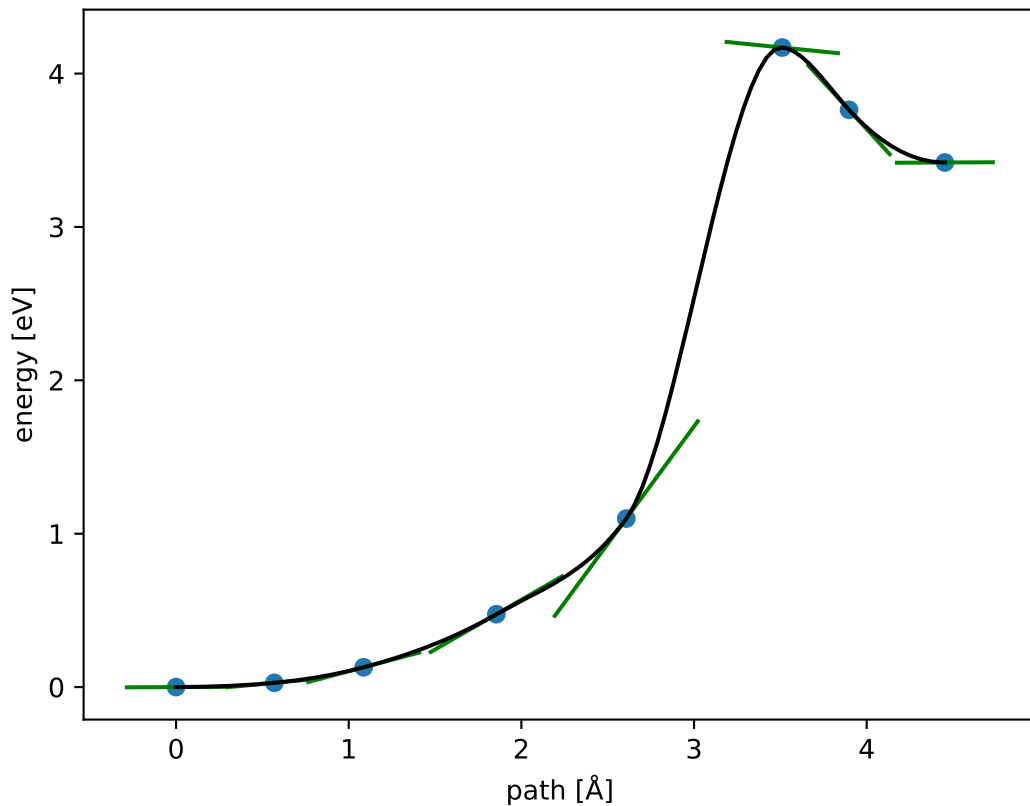
$$E_f \approx 4.204 \text{ eV}; E_r \approx 0.784 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



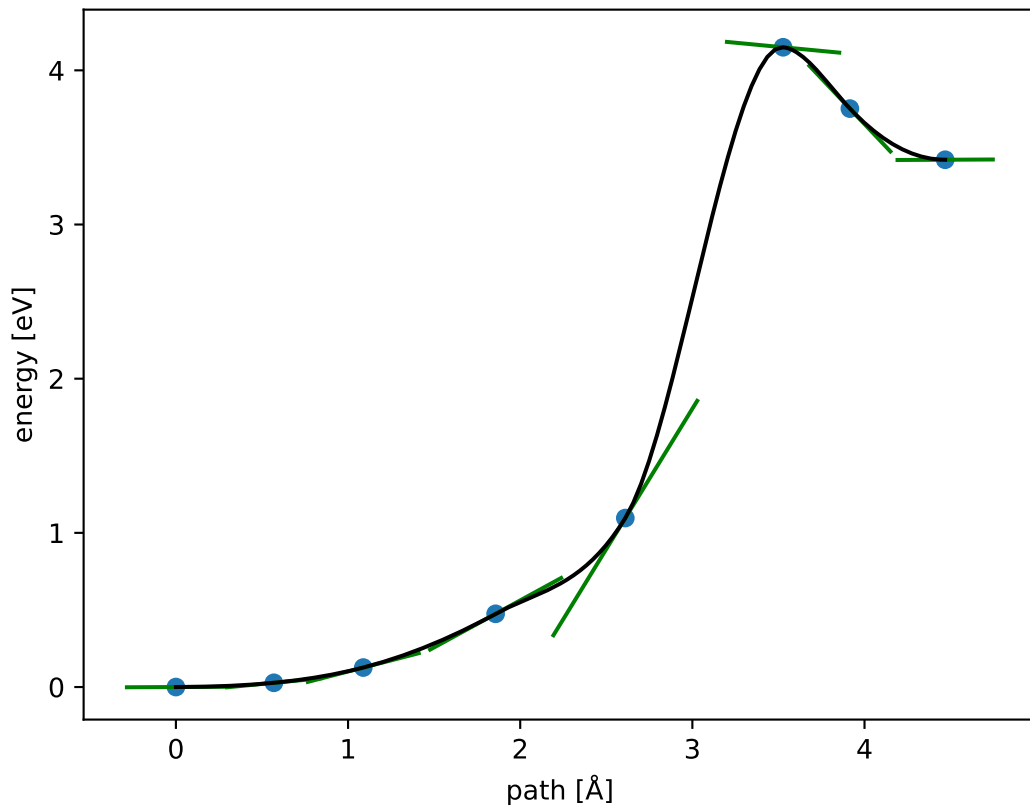
$$E_f \approx 4.188 \text{ eV}; E_r \approx 0.768 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



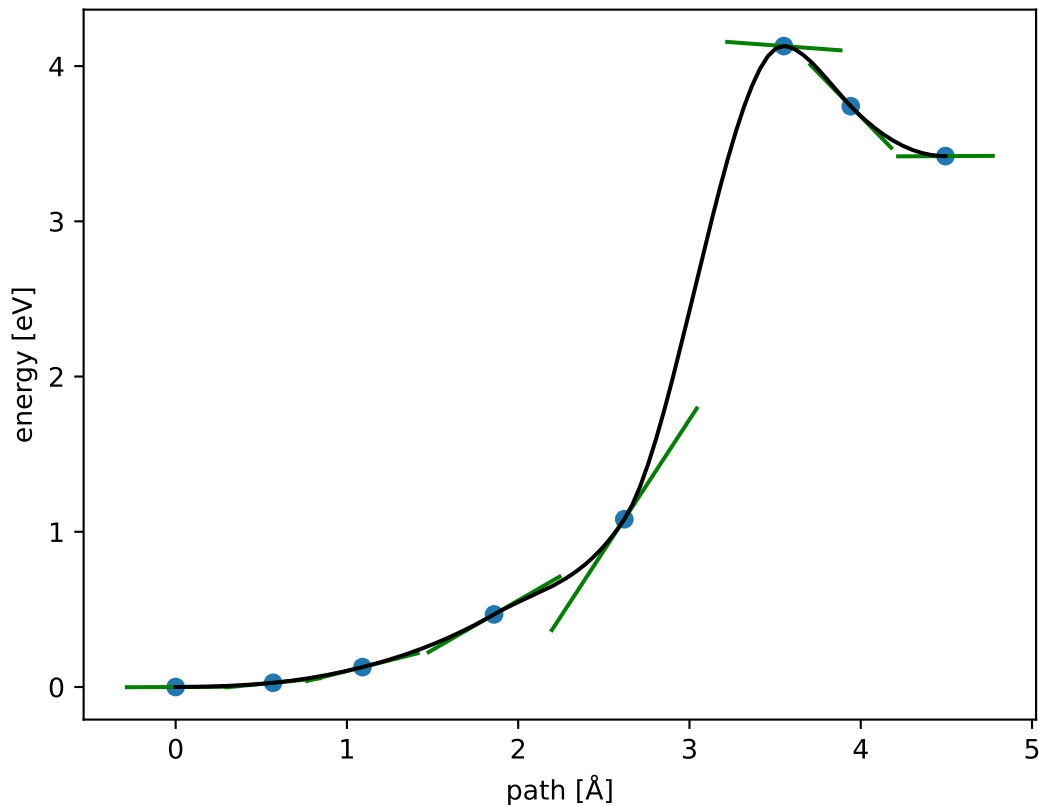
$$E_f \approx 4.170 \text{ eV}; E_r \approx 0.750 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



$$E_f \approx 4.150 \text{ eV}; E_r \approx 0.729 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

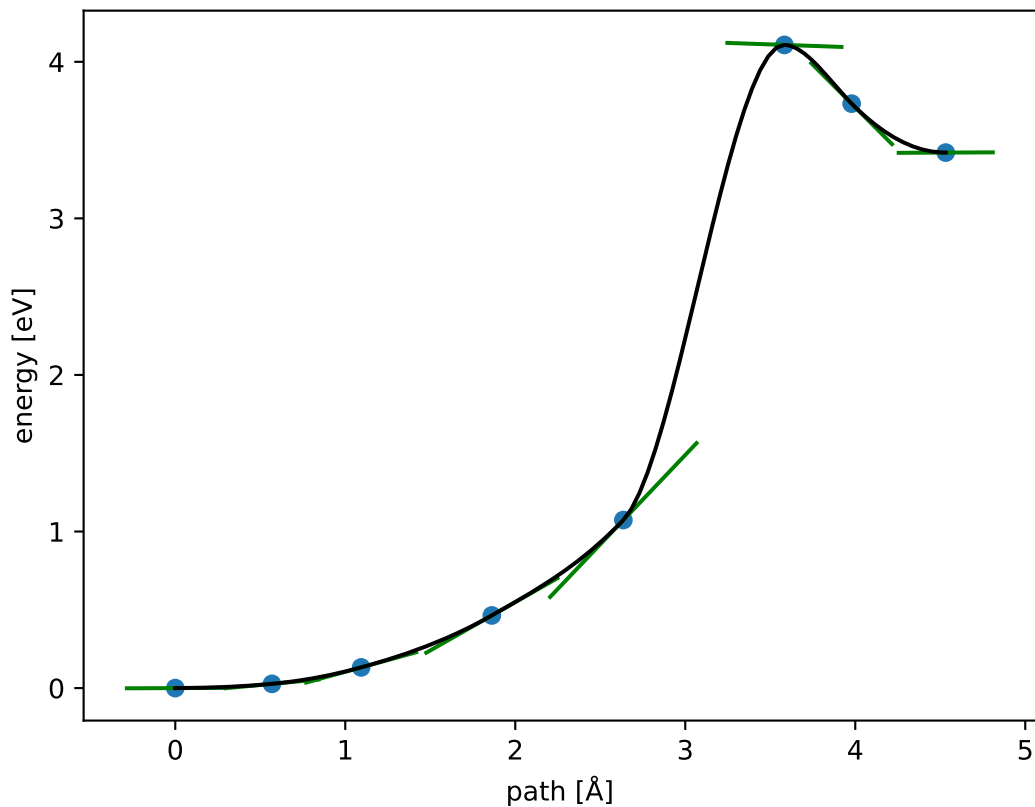


$$E_f \approx 4.129 \text{ eV}; E_r \approx 0.709 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

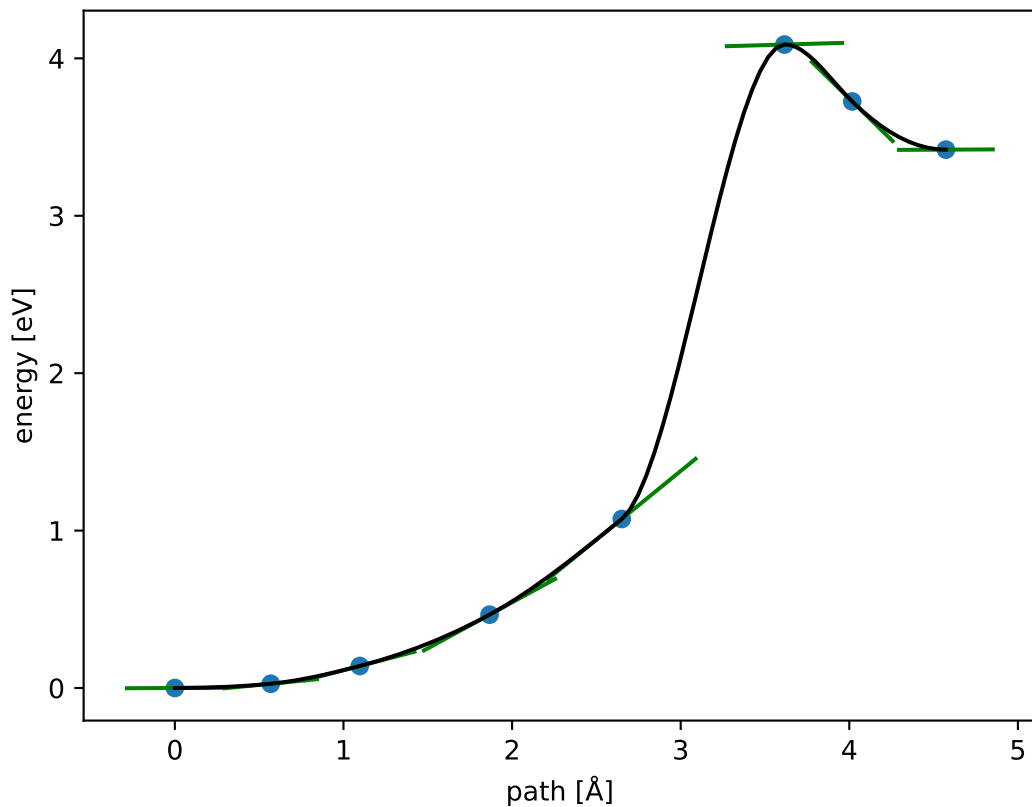




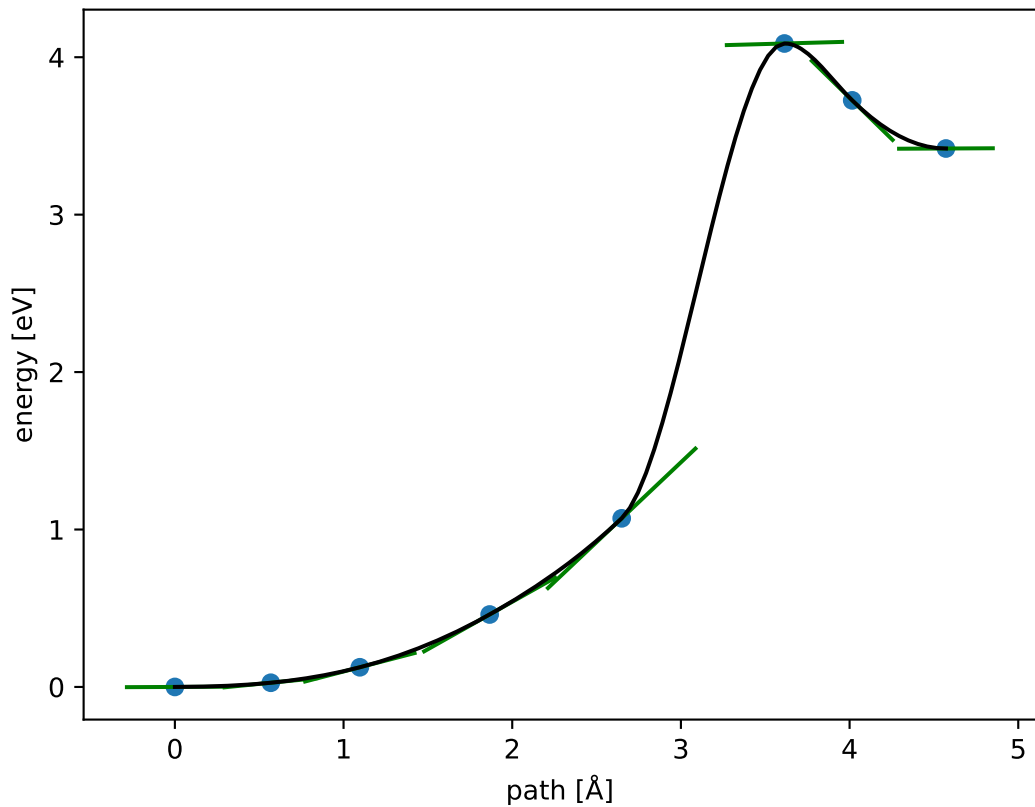
$$E_f \approx 4.108 \text{ eV}; E_r \approx 0.688 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



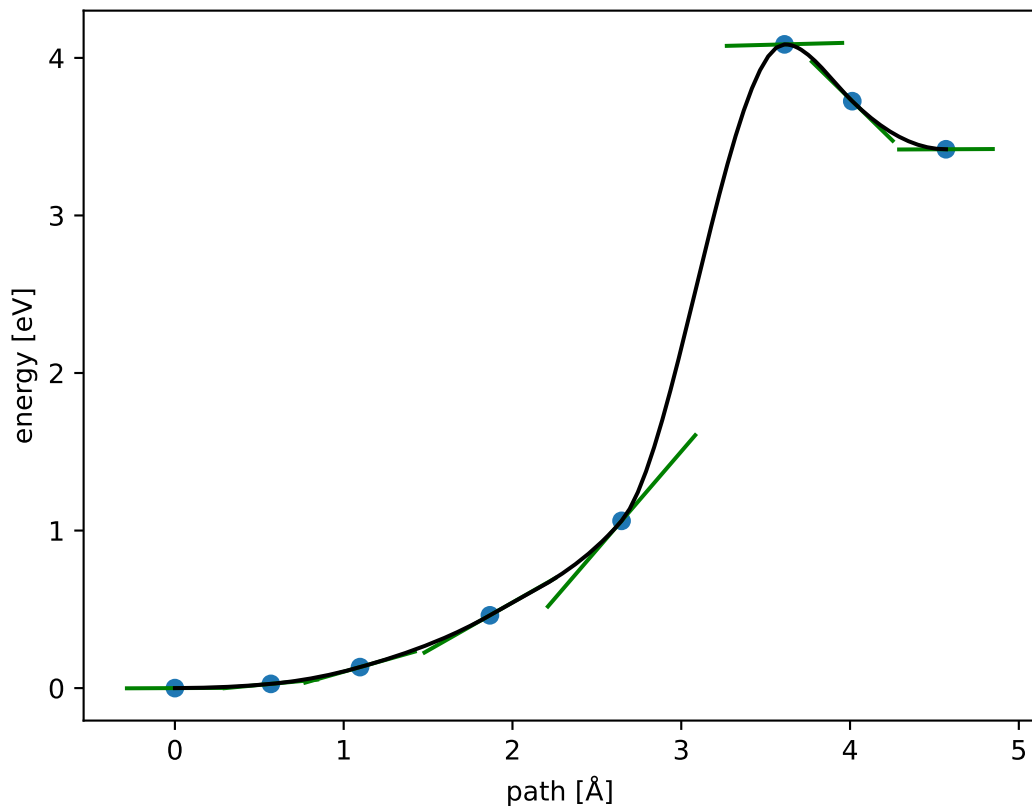
$$E_f \approx 4.088 \text{ eV}; E_r \approx 0.668 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



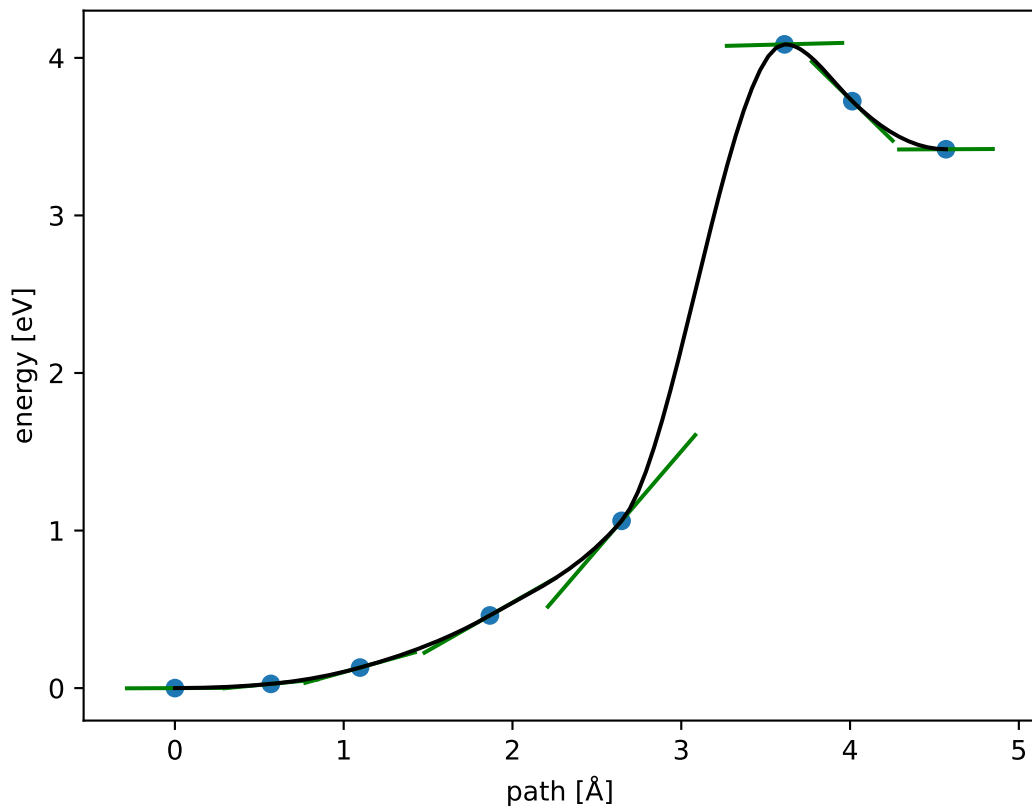
$$E_f \approx 4.087 \text{ eV}; E_r \approx 0.667 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



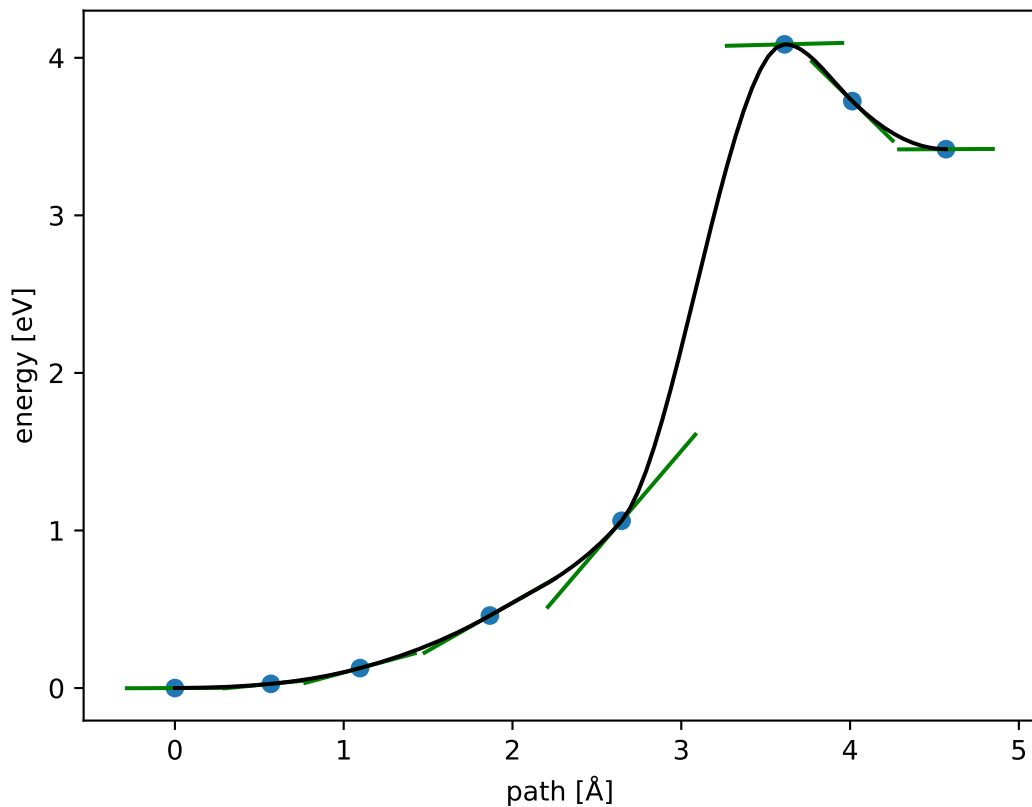
$$E_f \approx 4.086 \text{ eV}; E_r \approx 0.666 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



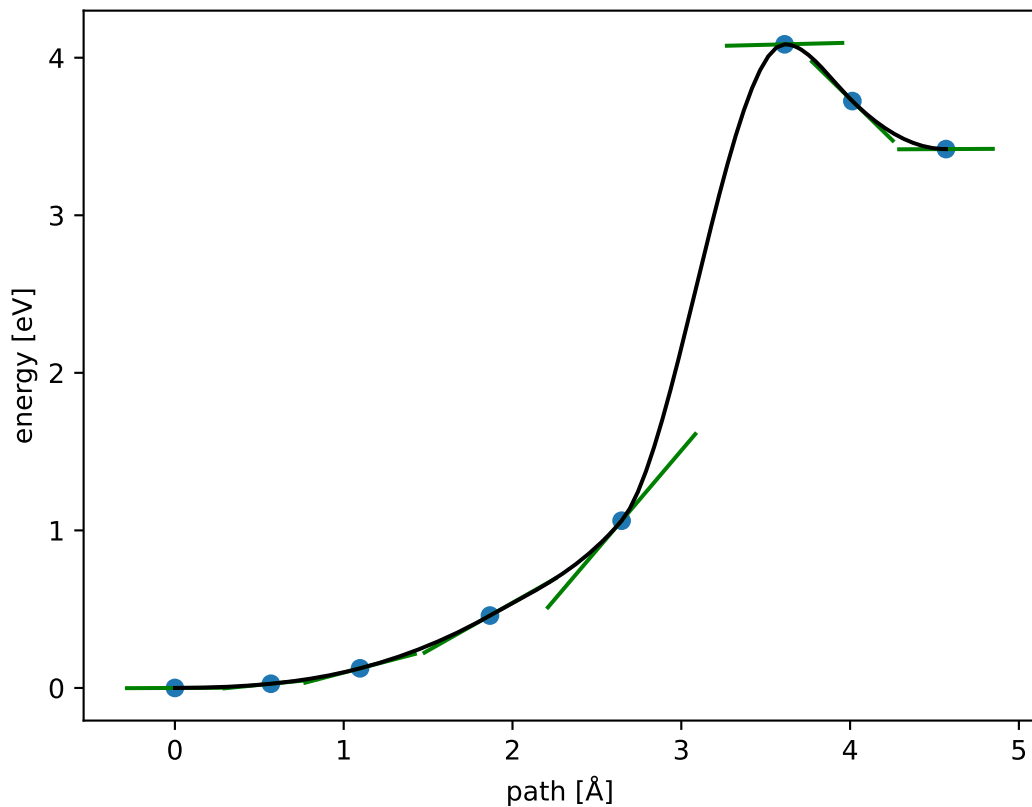
$$E_f \approx 4.086 \text{ eV}; E_r \approx 0.666 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



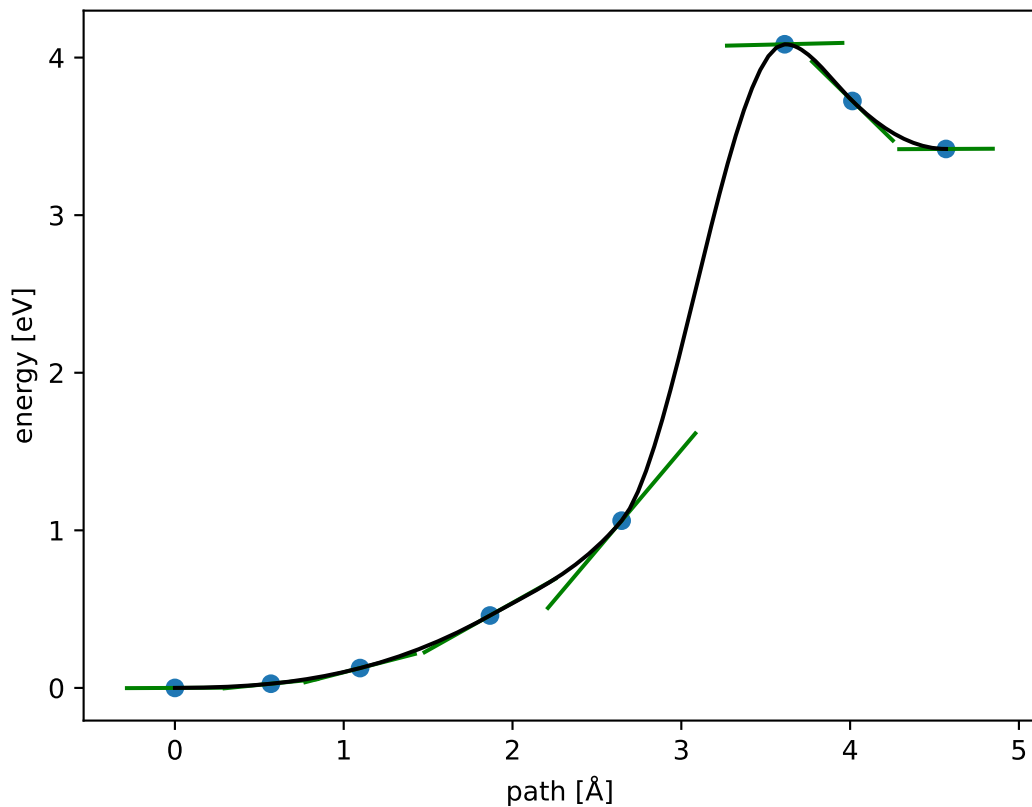
$$E_f \approx 4.085 \text{ eV}; E_r \approx 0.665 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



$$E_f \approx 4.085 \text{ eV}; E_r \approx 0.665 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

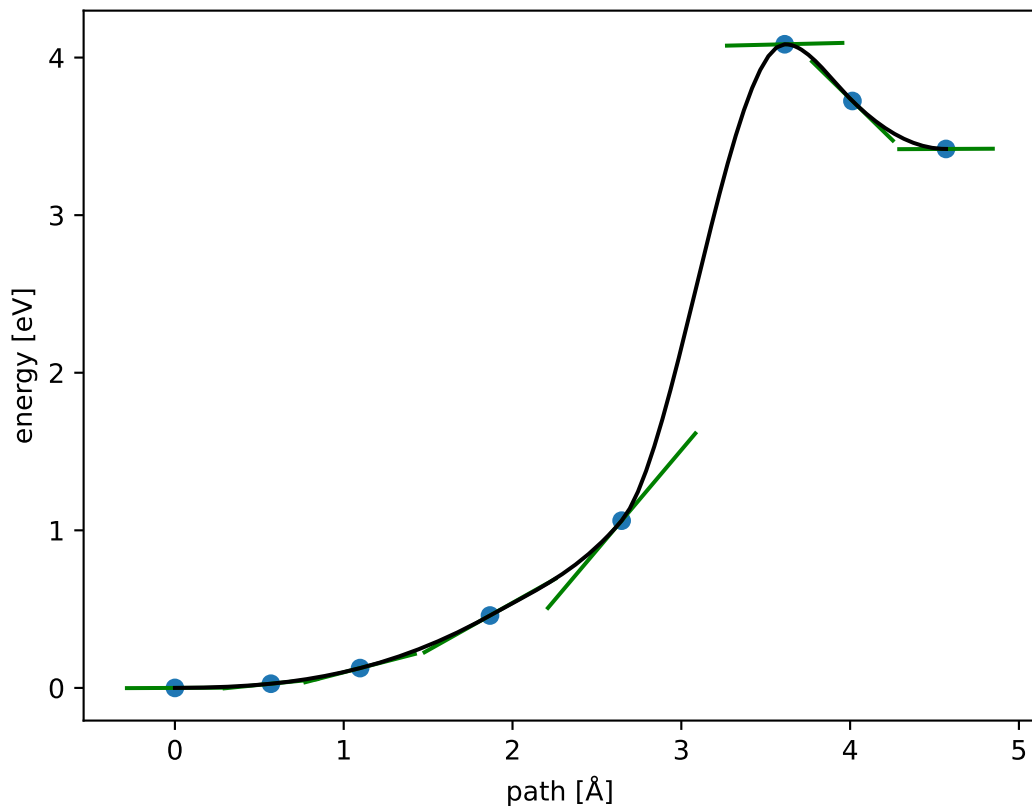


$$E_f \approx 4.084 \text{ eV}; E_r \approx 0.664 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

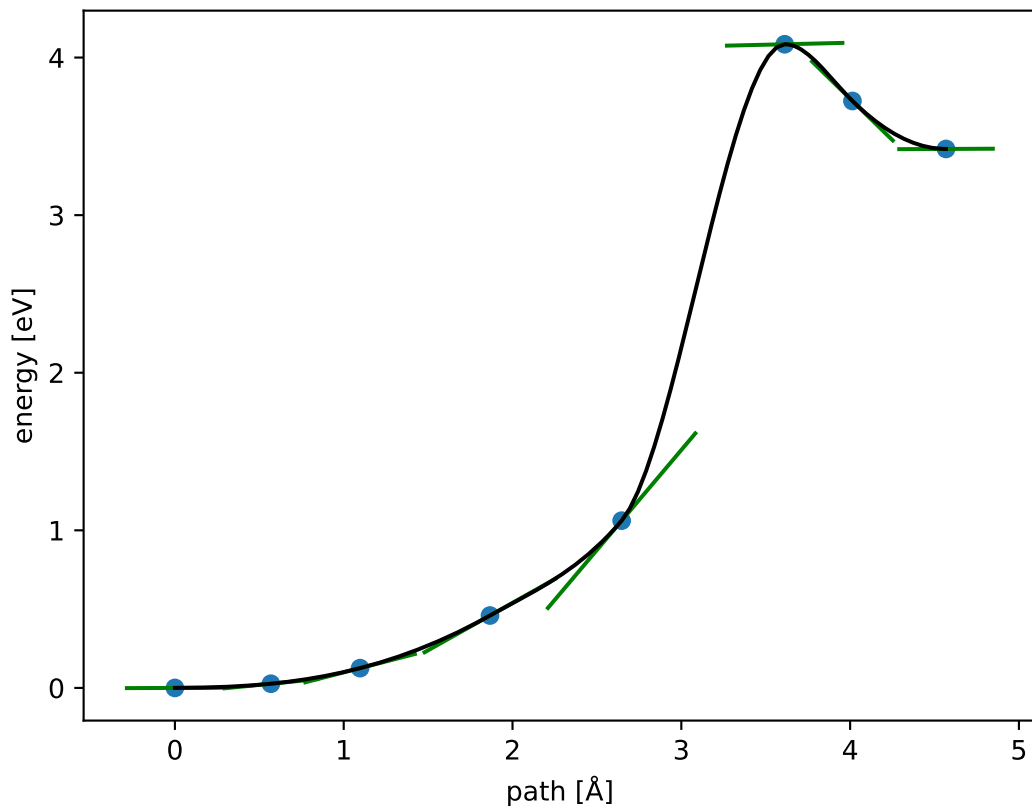




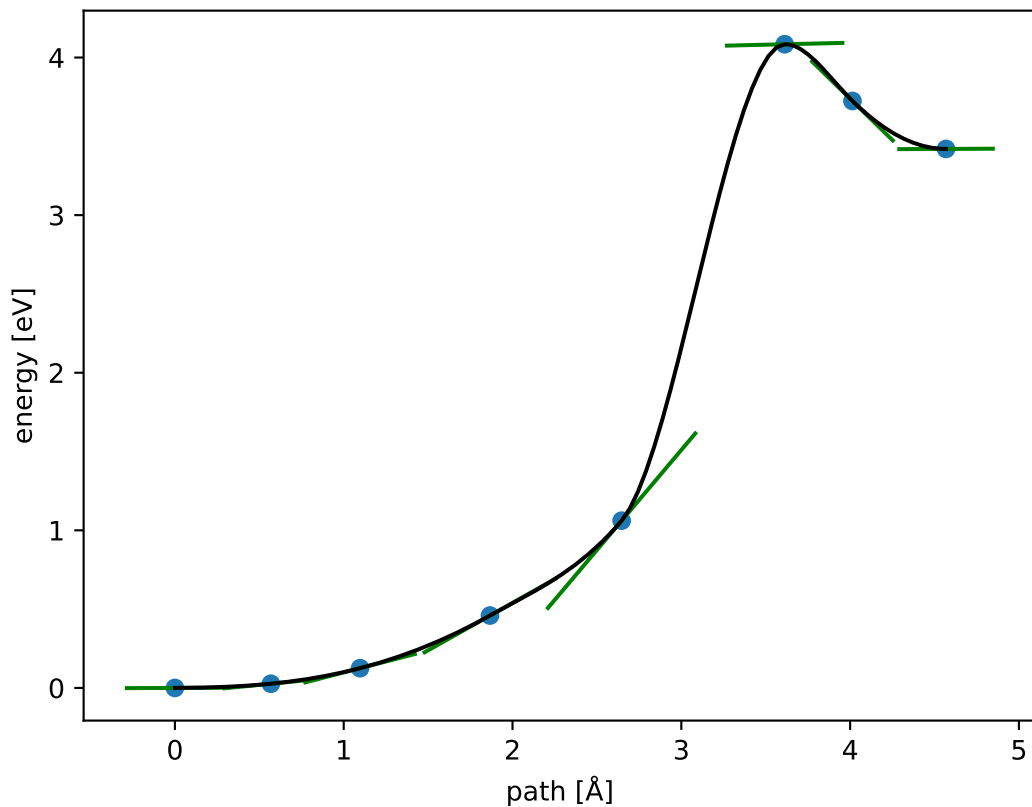
$$E_f \approx 4.084 \text{ eV}; E_r \approx 0.664 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



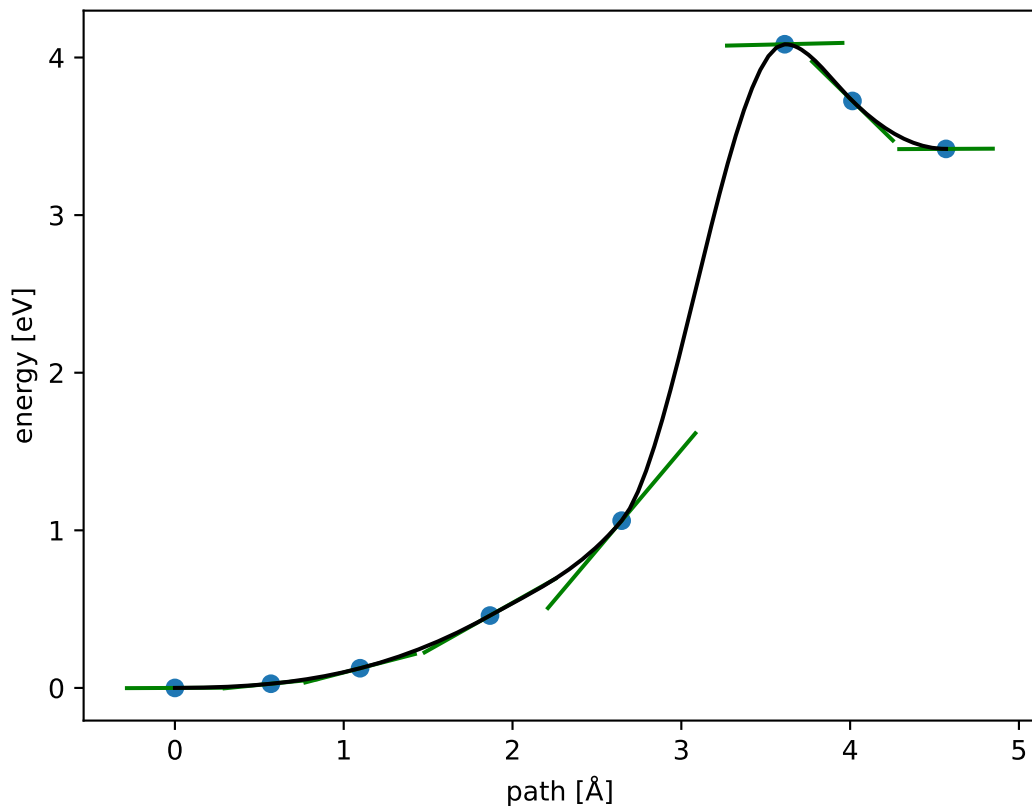
$$E_f \approx 4.084 \text{ eV}; E_r \approx 0.664 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



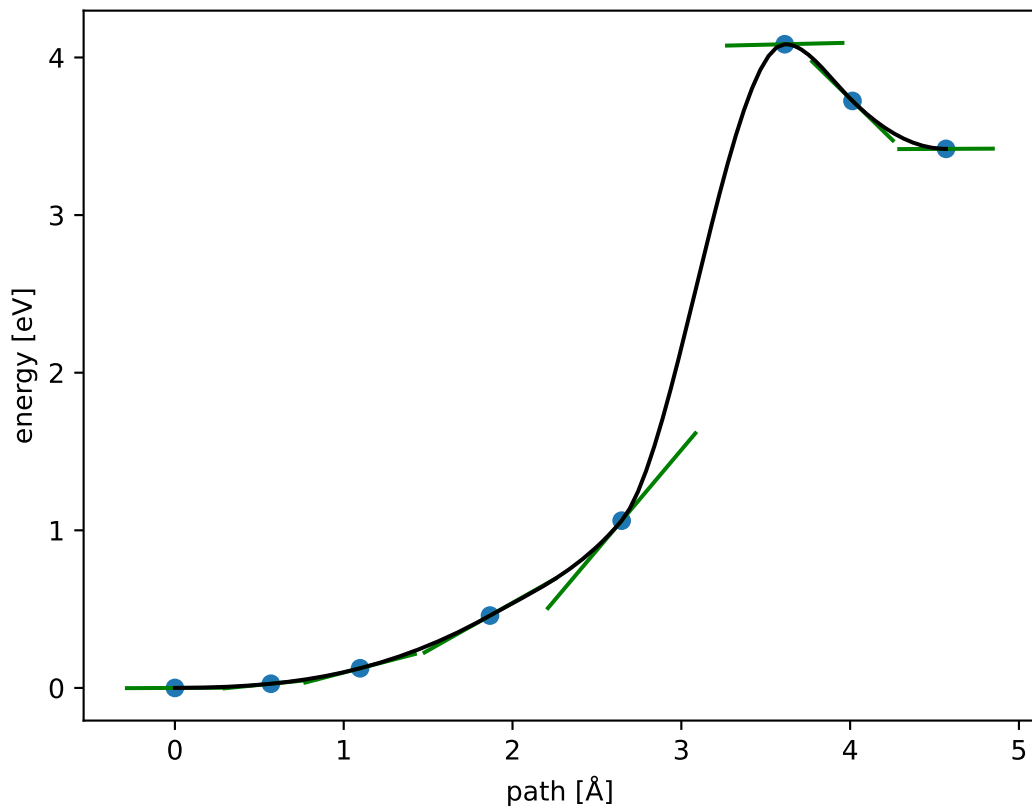
$$E_f \approx 4.084 \text{ eV}; E_r \approx 0.664 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



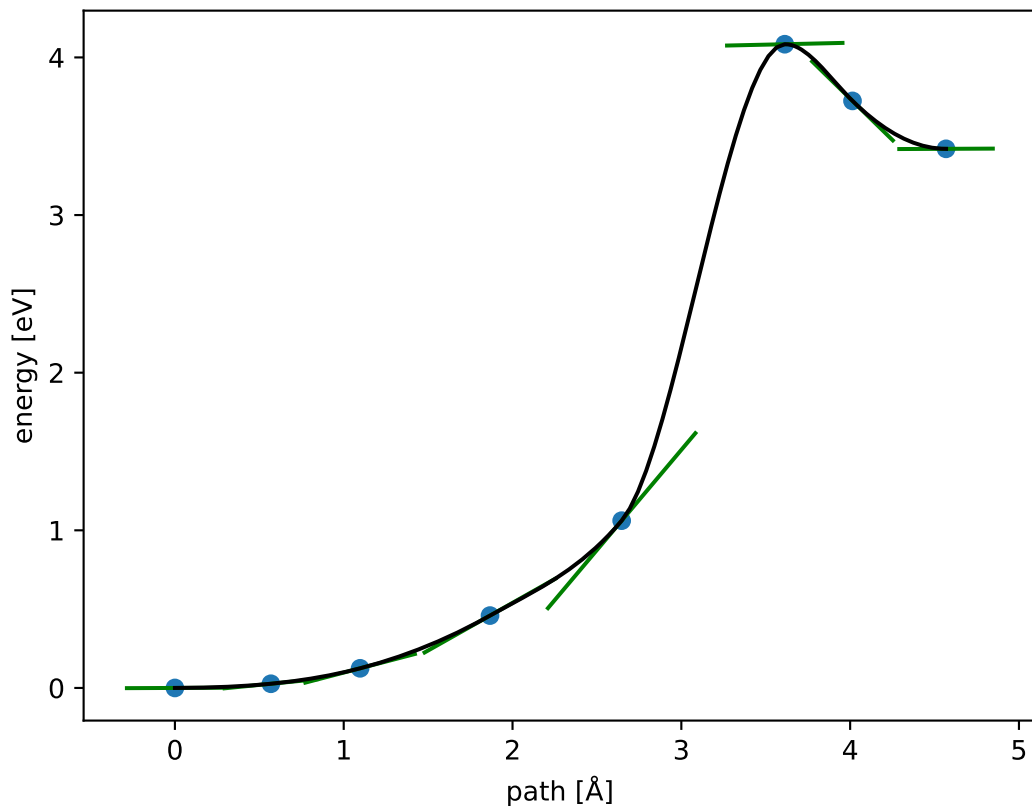
$$E_f \approx 4.084 \text{ eV}; E_r \approx 0.664 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



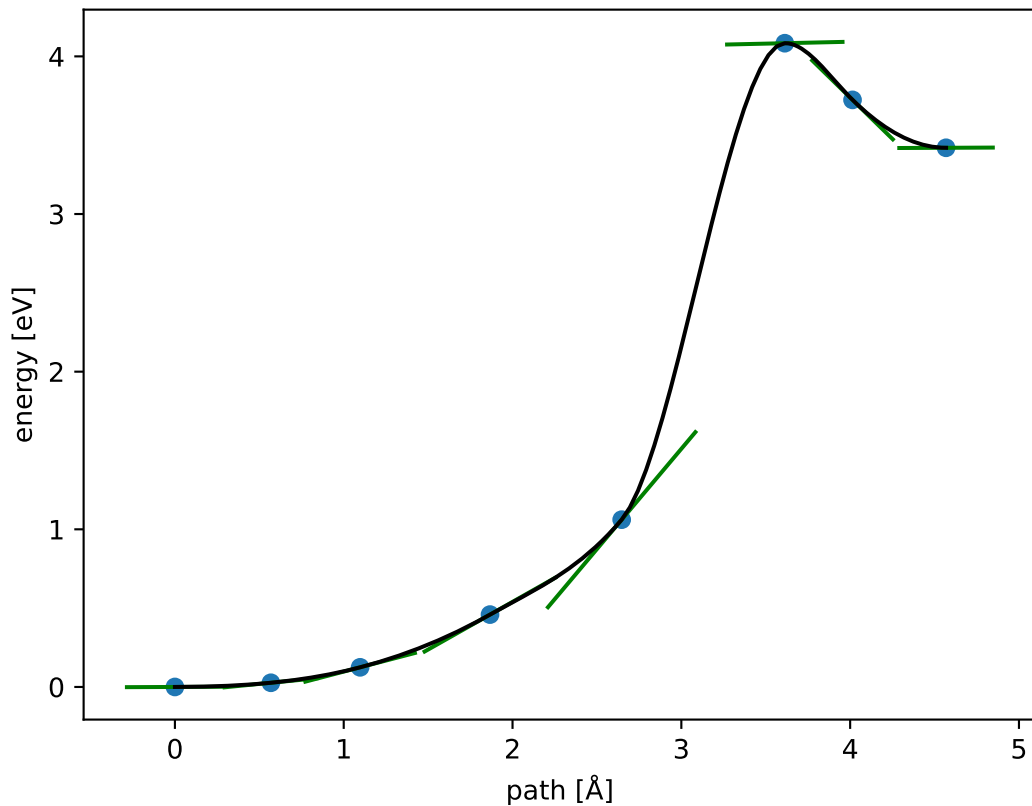
$$E_f \approx 4.084 \text{ eV}; E_r \approx 0.664 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



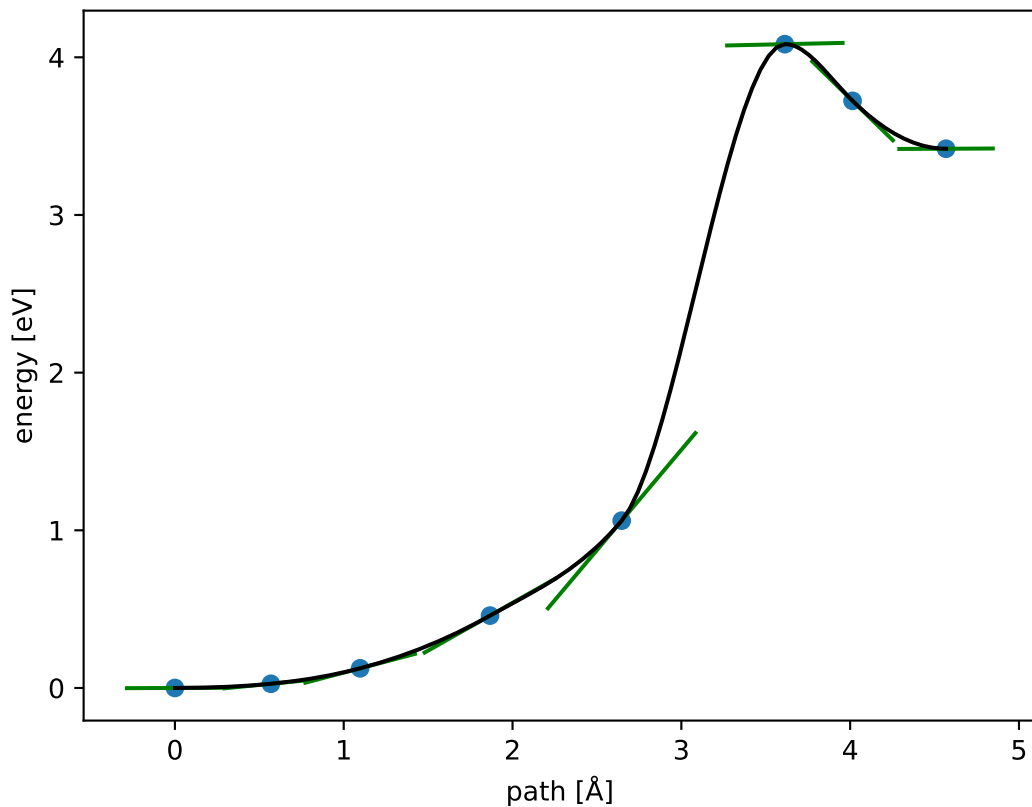
$$E_f \approx 4.084 \text{ eV}; E_r \approx 0.664 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



$$E_f \approx 4.084 \text{ eV}; E_r \approx 0.663 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

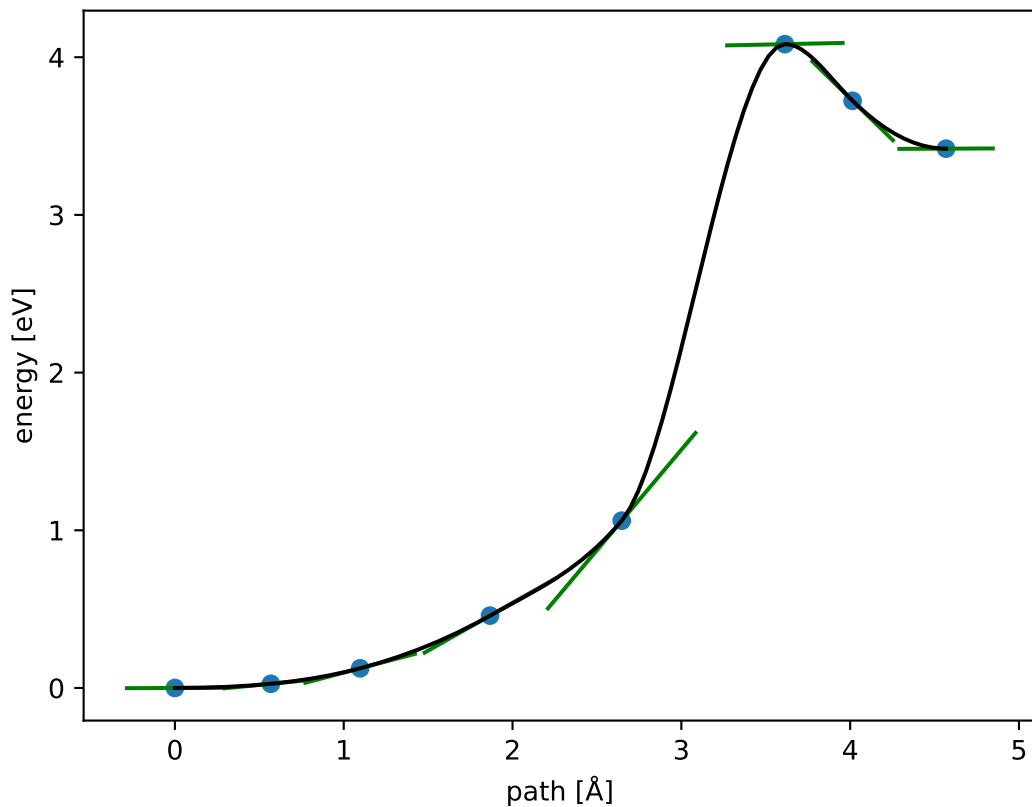


$$E_f \approx 4.083 \text{ eV}; E_r \approx 0.663 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

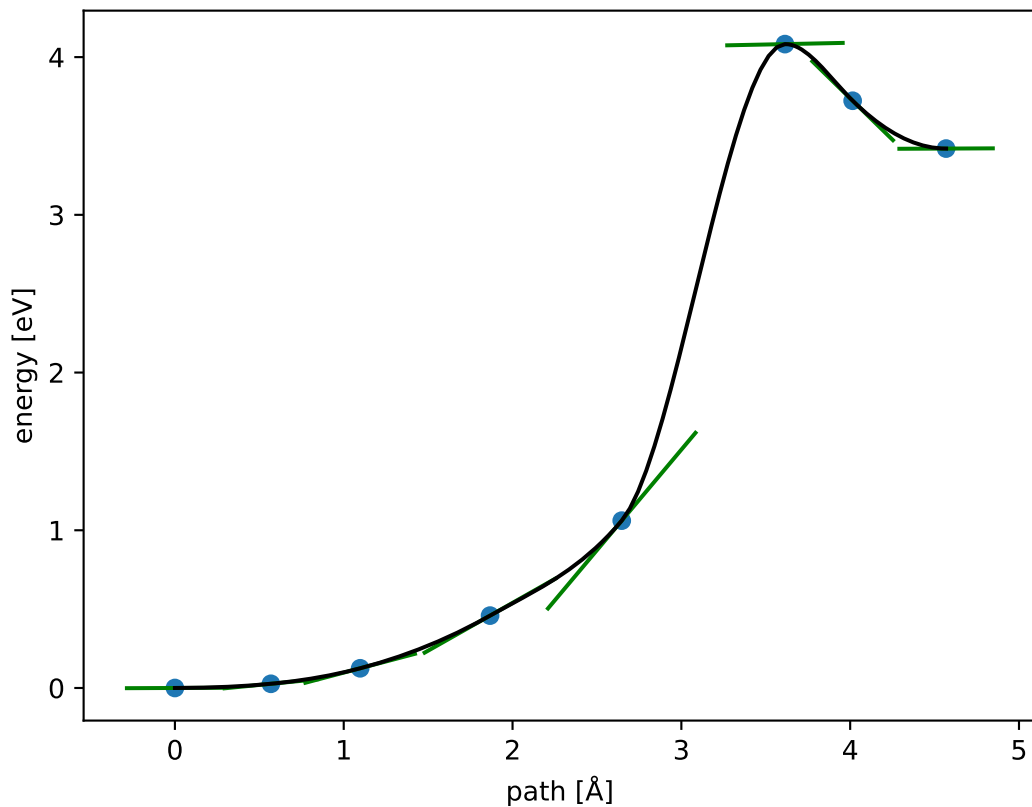




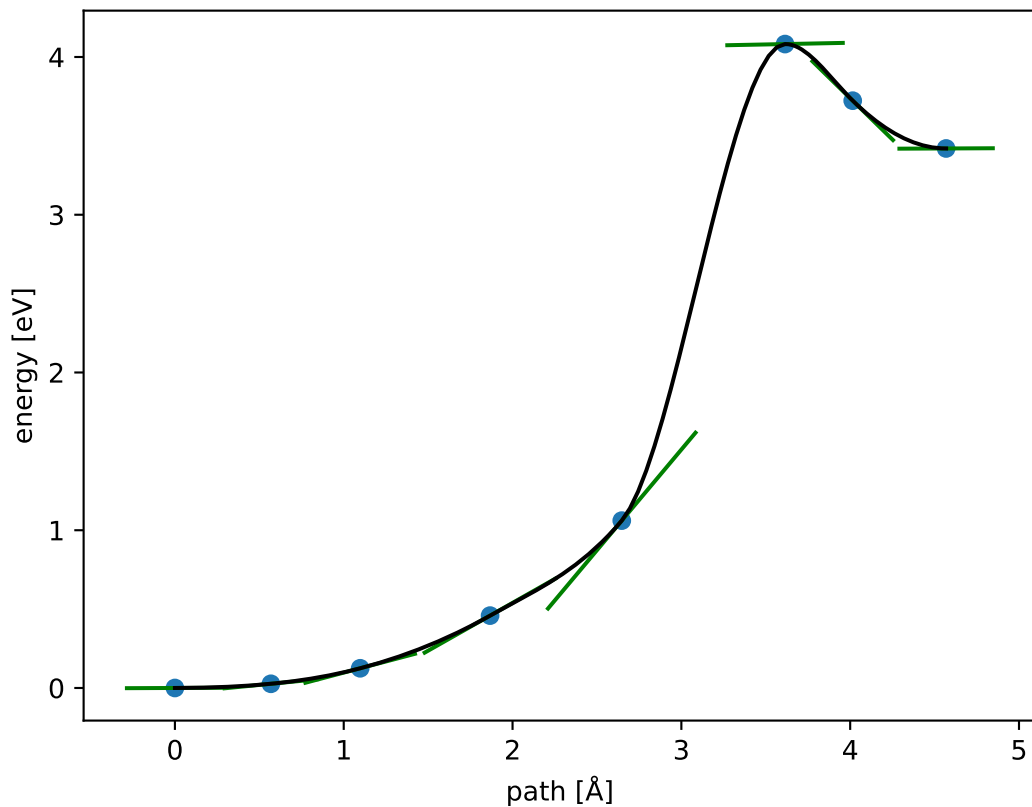
$$E_f \approx 4.083 \text{ eV}; E_r \approx 0.663 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



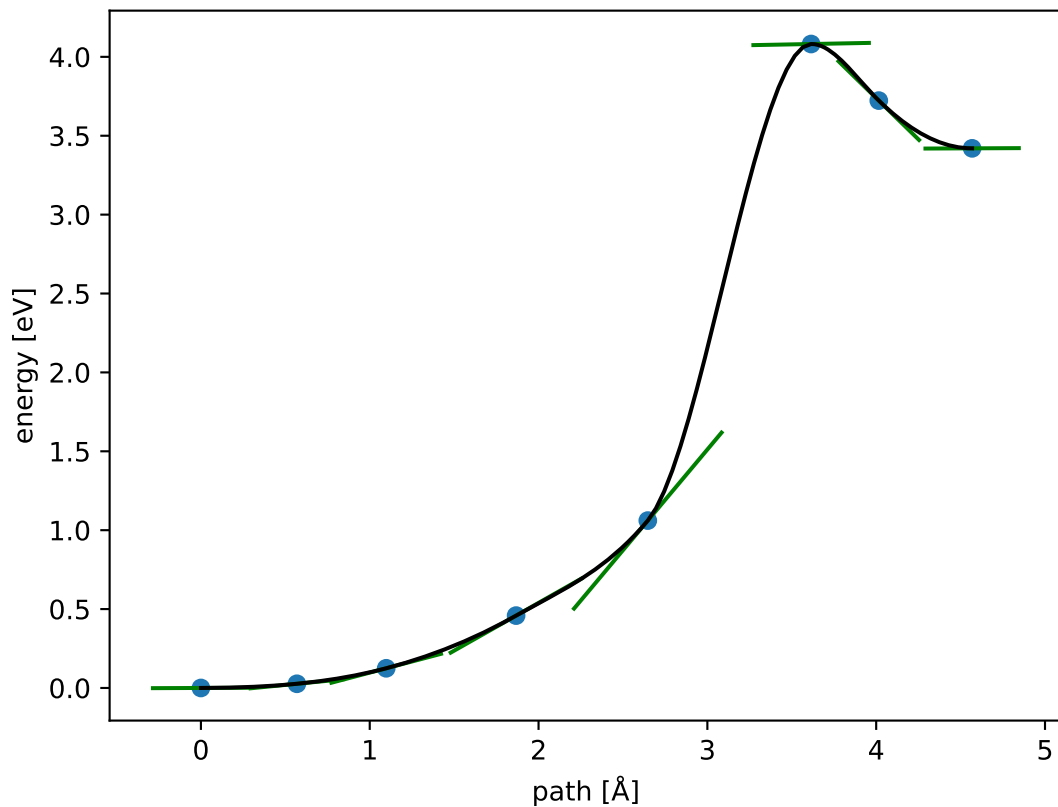
$$E_f \approx 4.082 \text{ eV}; E_r \approx 0.662 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



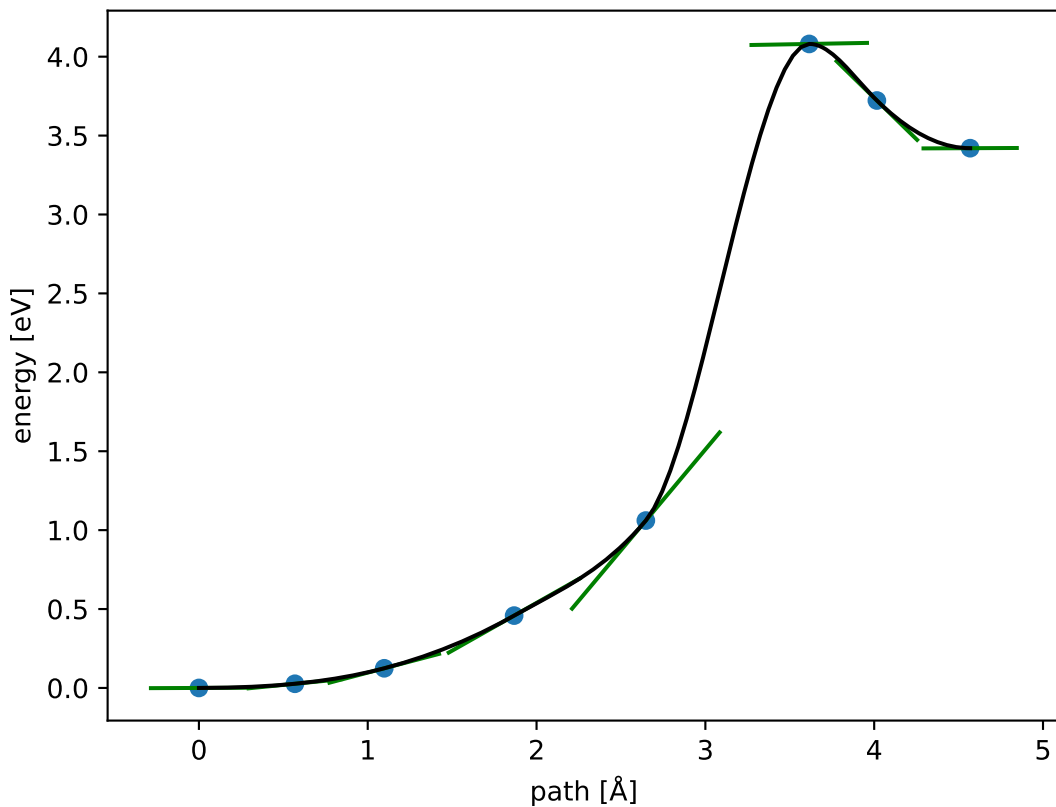
$$E_f \approx 4.082 \text{ eV}; E_r \approx 0.662 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



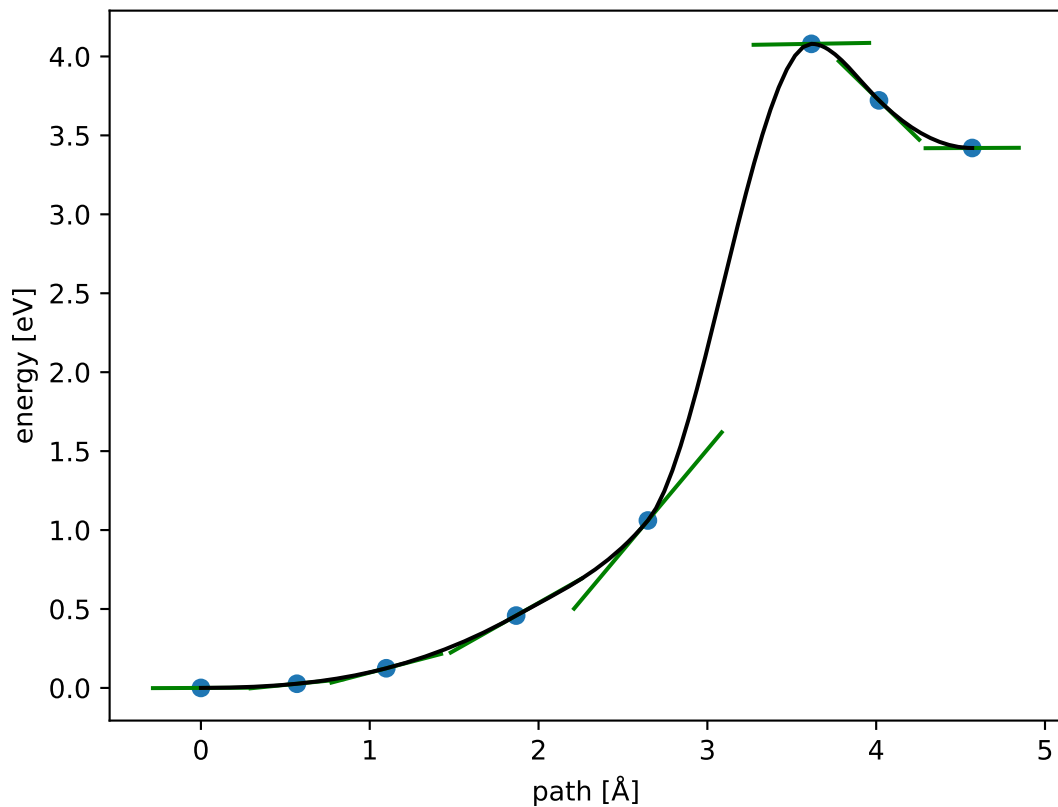
$$E_f \approx 4.081 \text{ eV}; E_r \approx 0.661 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



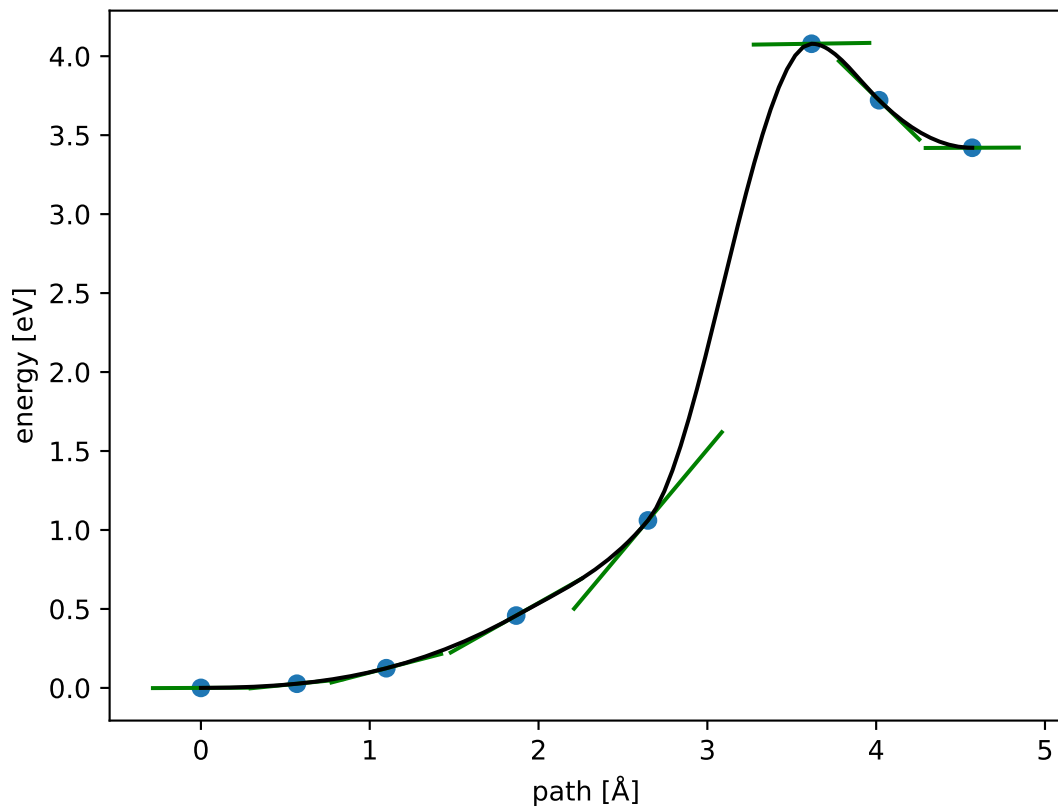
$$E_f \approx 4.081 \text{ eV}; E_r \approx 0.661 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



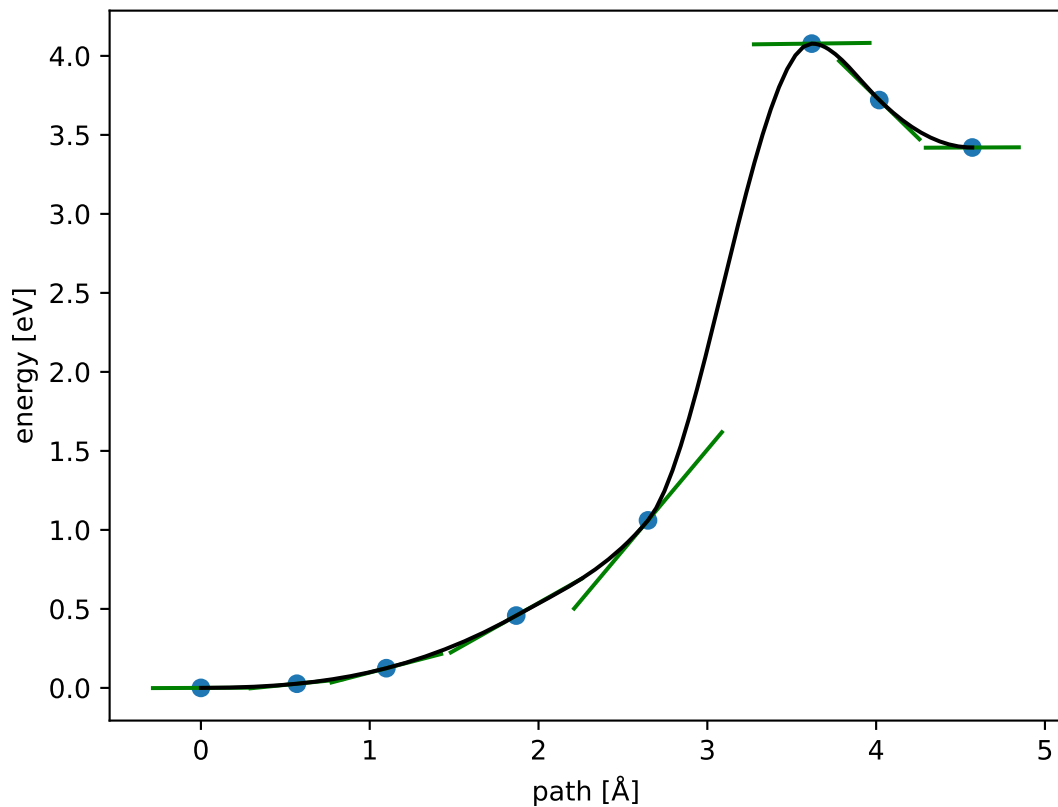
$$E_f \approx 4.080 \text{ eV}; E_r \approx 0.660 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



$$E_f \approx 4.079 \text{ eV}; E_r \approx 0.659 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

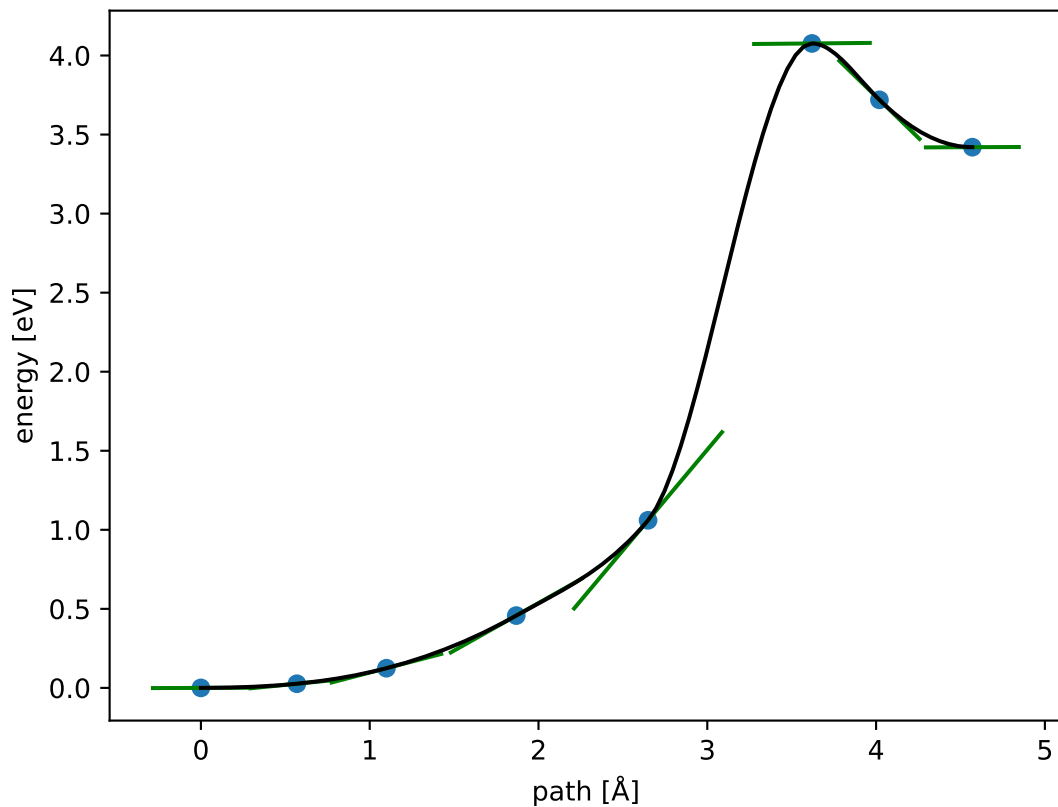


$$E_f \approx 4.078 \text{ eV}; E_r \approx 0.658 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

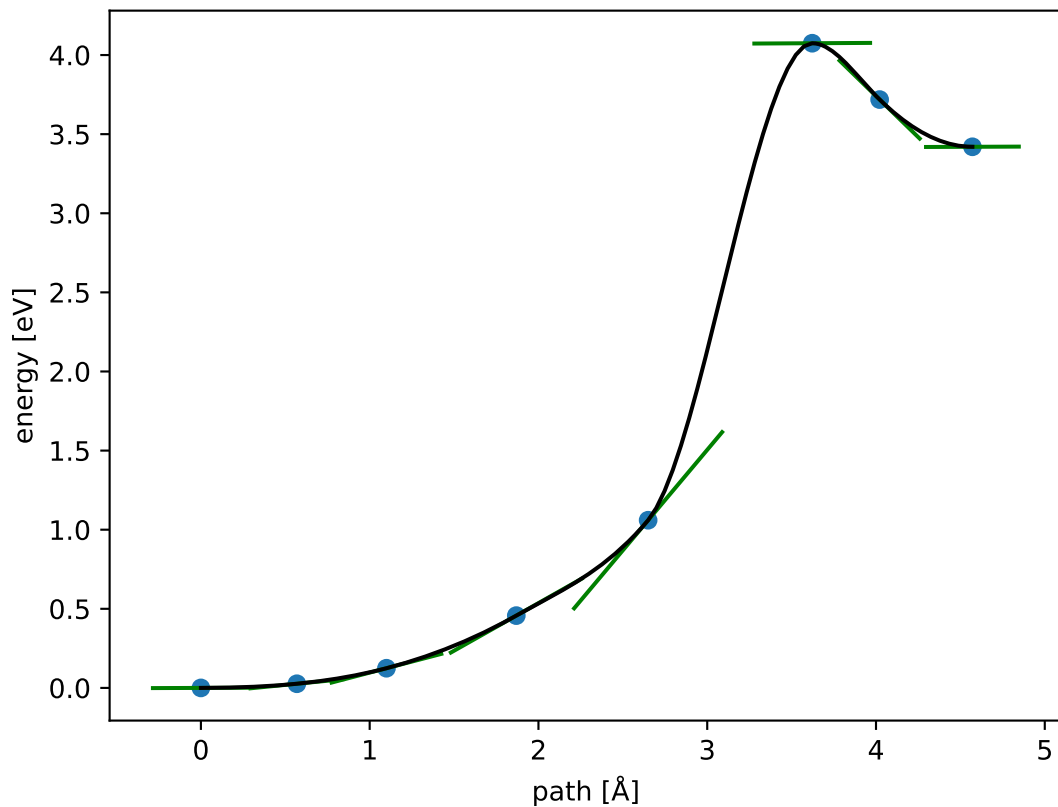




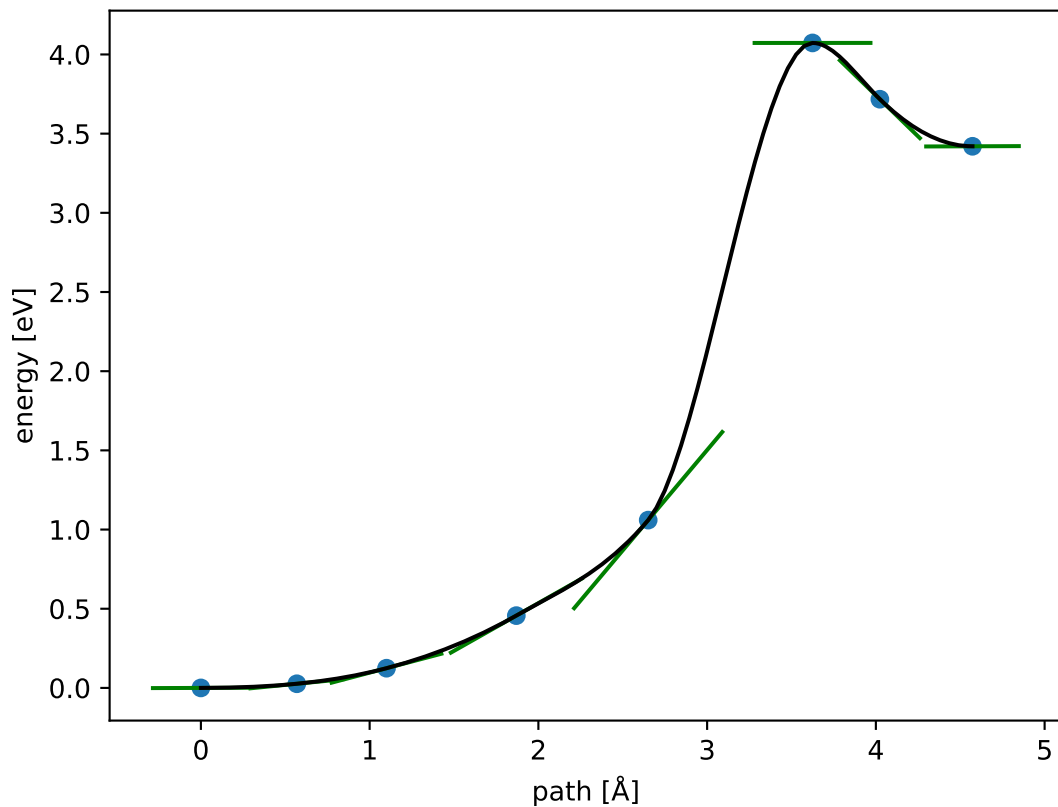
$$E_f \approx 4.076 \text{ eV}; E_r \approx 0.656 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



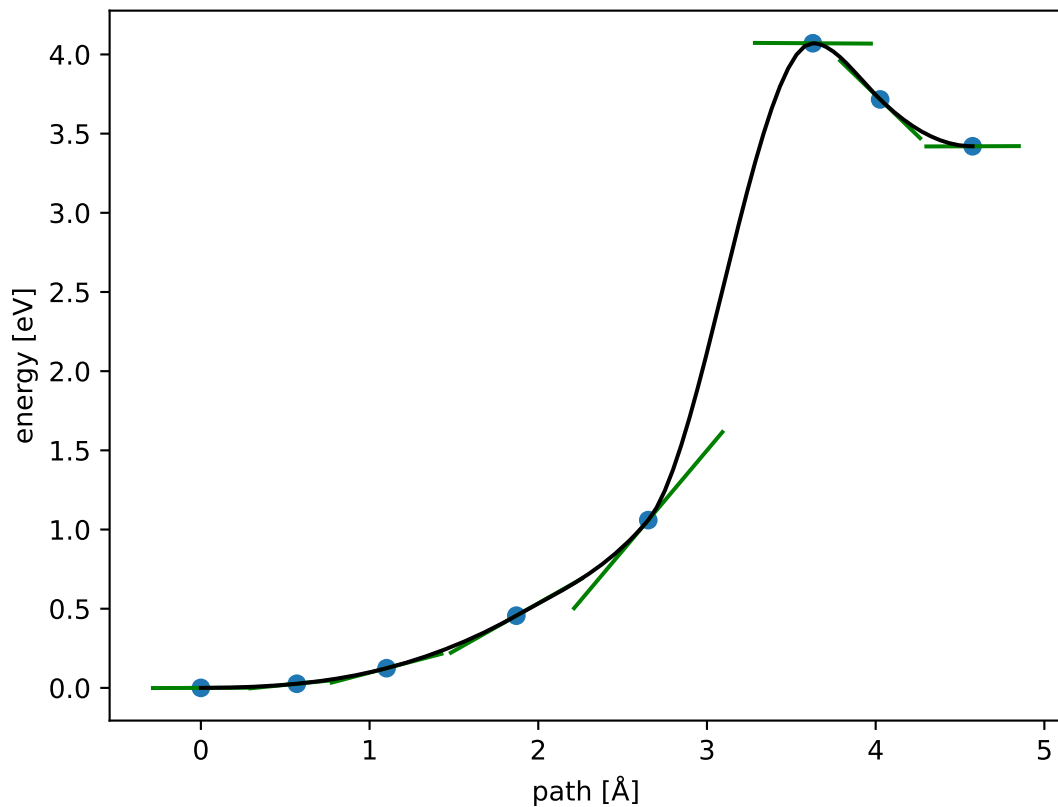
$$E_f \approx 4.075 \text{ eV}; E_r \approx 0.655 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



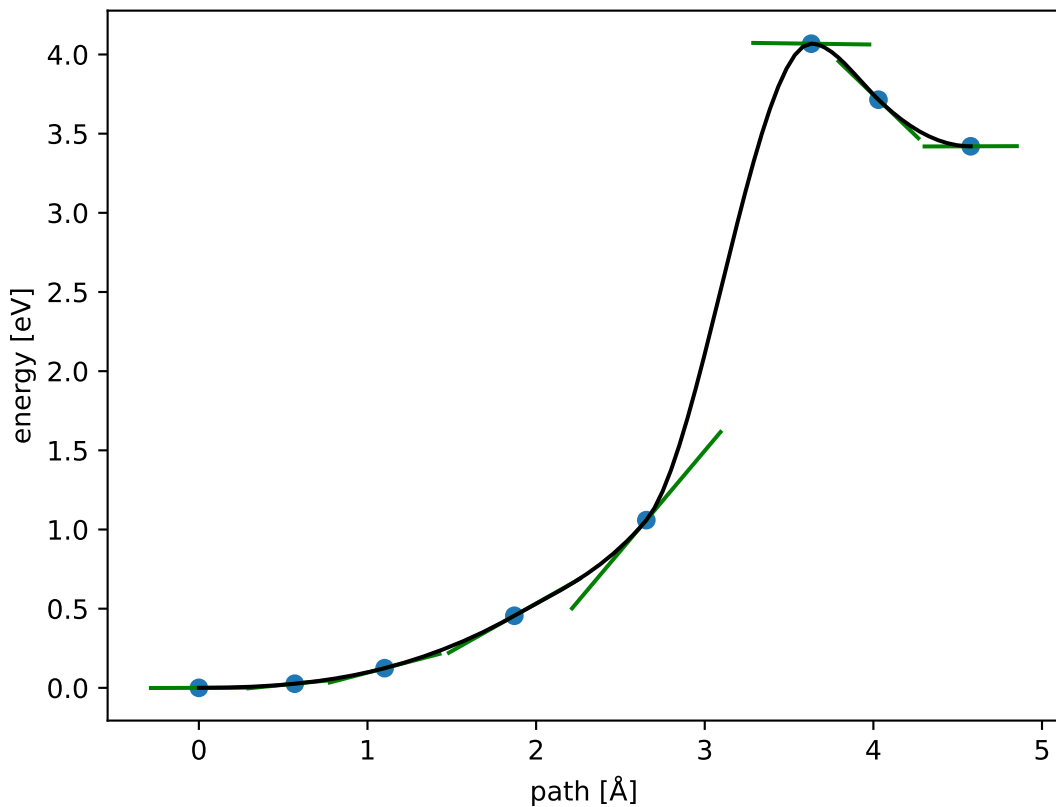
$$E_f \approx 4.073 \text{ eV}; E_r \approx 0.653 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



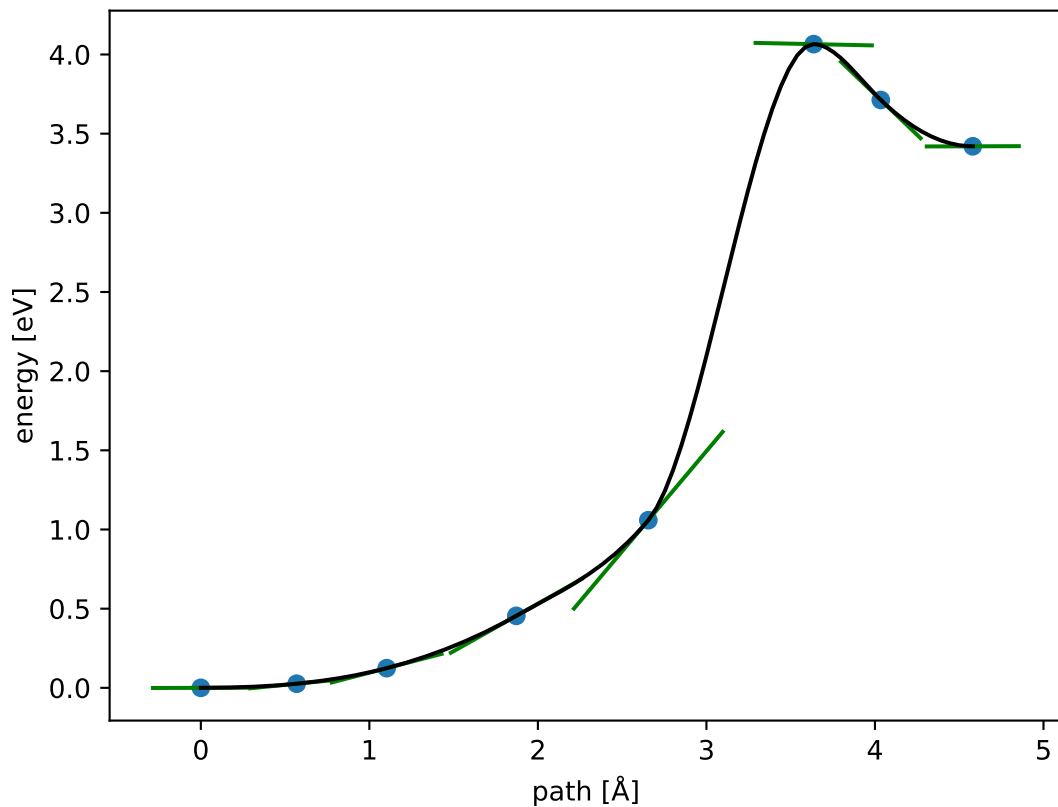
$$E_f \approx 4.071 \text{ eV}; E_r \approx 0.651 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



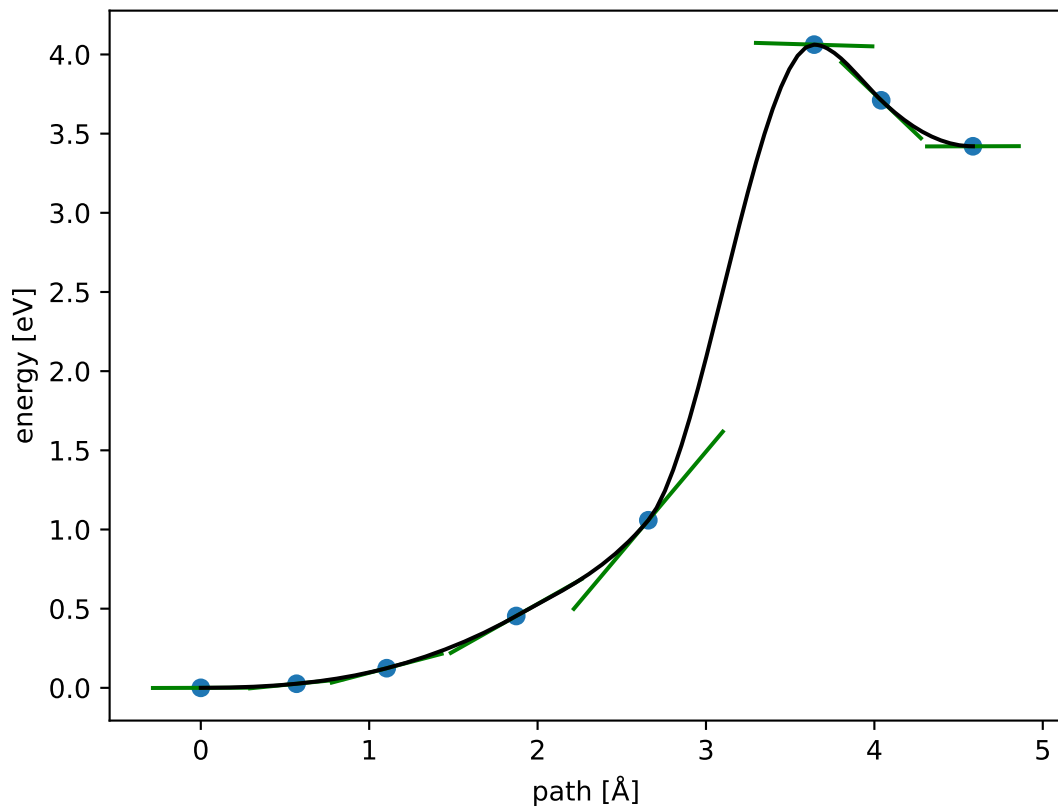
$$E_f \approx 4.068 \text{ eV}; E_r \approx 0.648 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



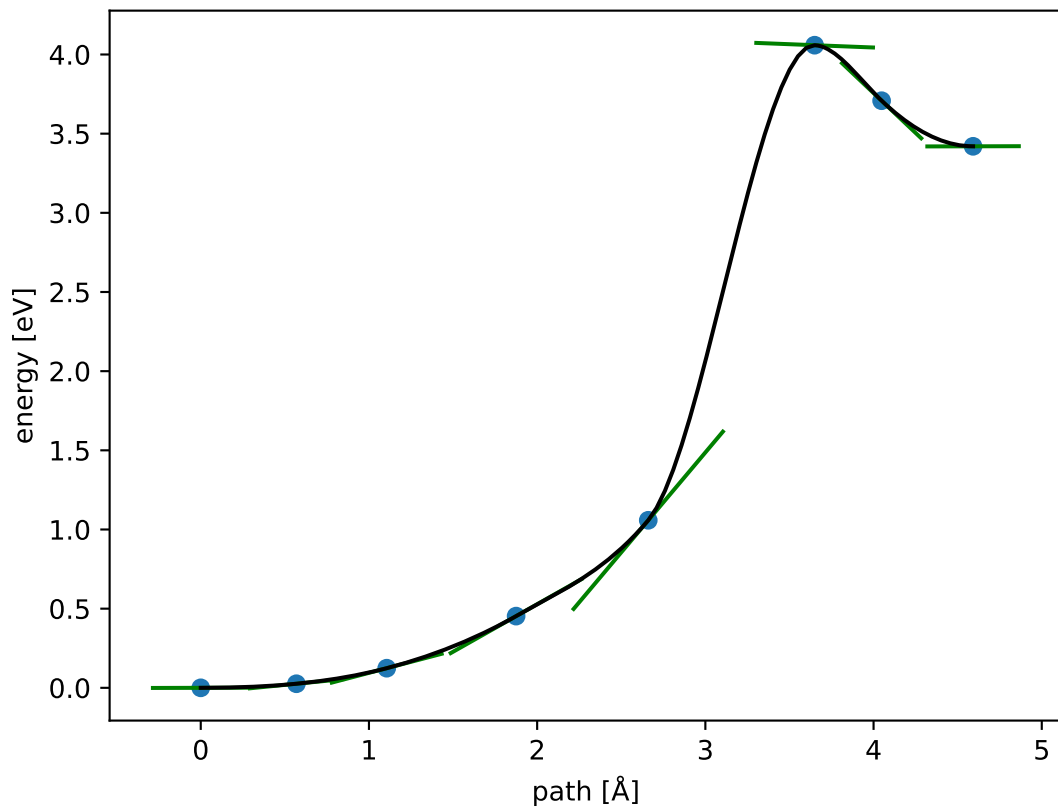
$$E_f \approx 4.065 \text{ eV}; E_r \approx 0.645 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



$$E_f \approx 4.062 \text{ eV}; E_r \approx 0.642 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

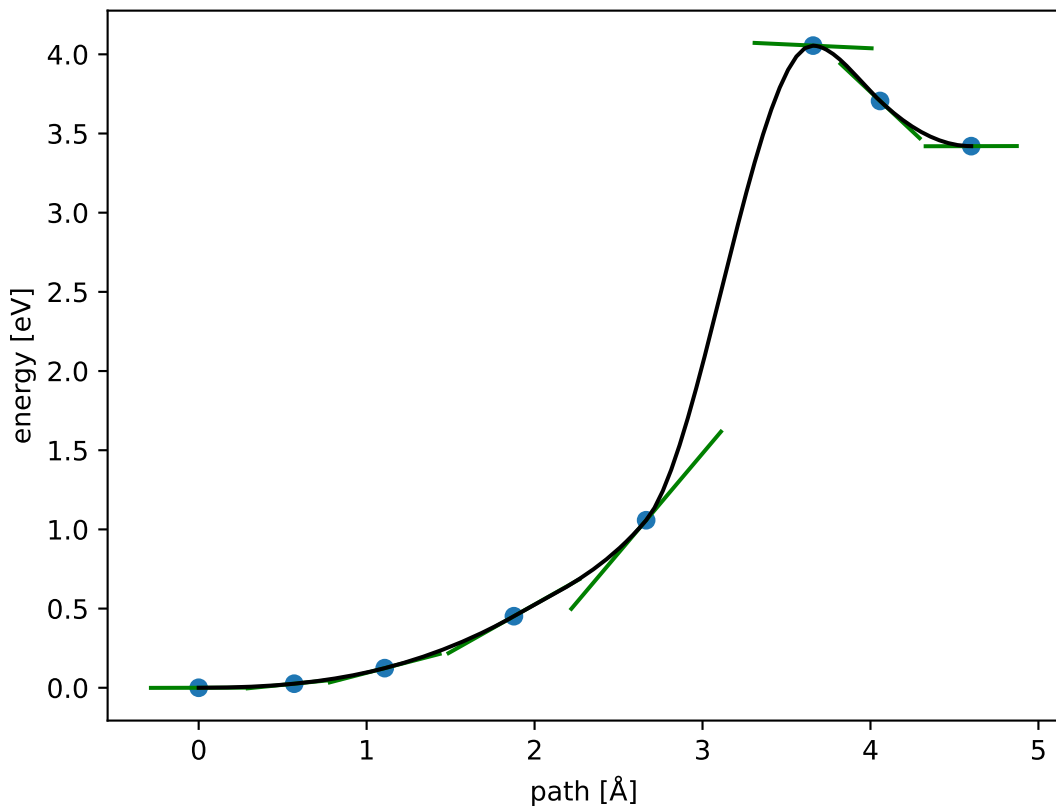


$$E_f \approx 4.059 \text{ eV}; E_r \approx 0.639 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

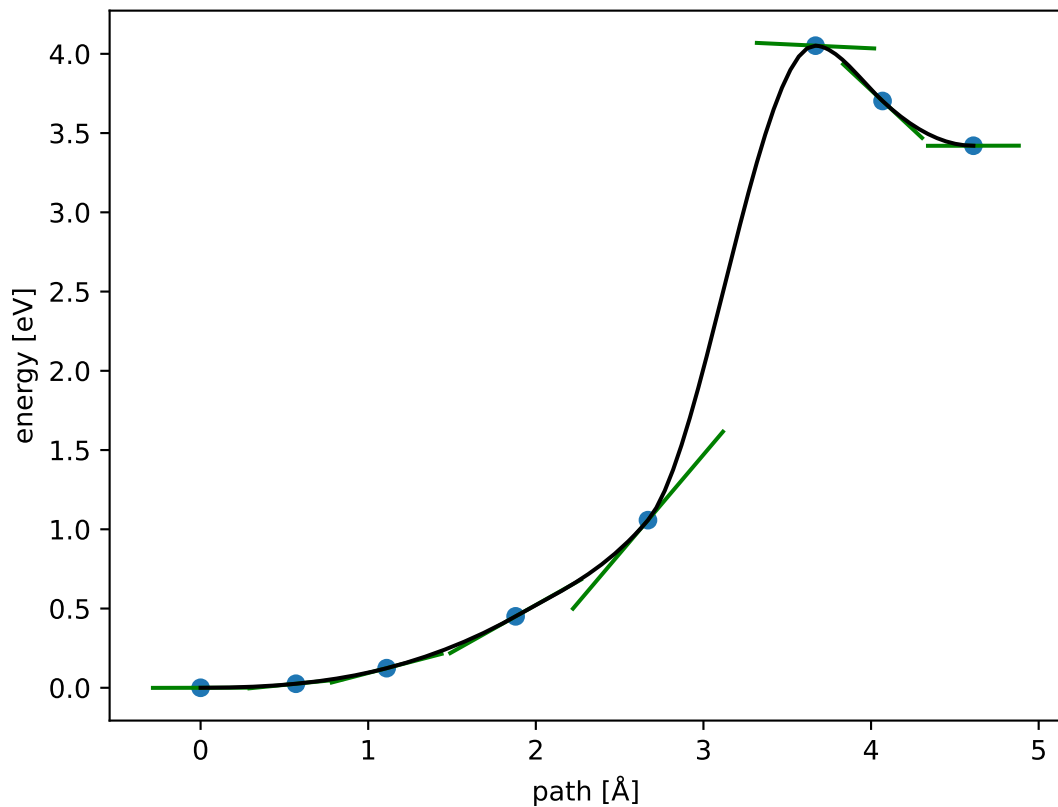




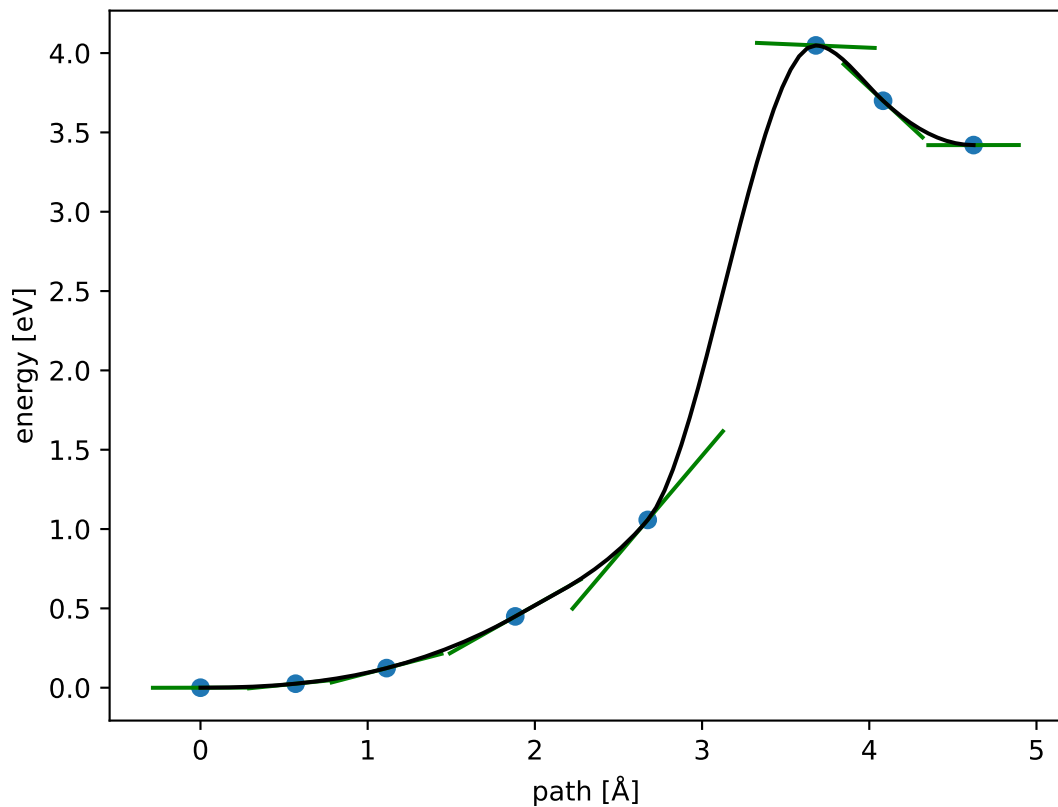
$$E_f \approx 4.055 \text{ eV}; E_r \approx 0.635 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



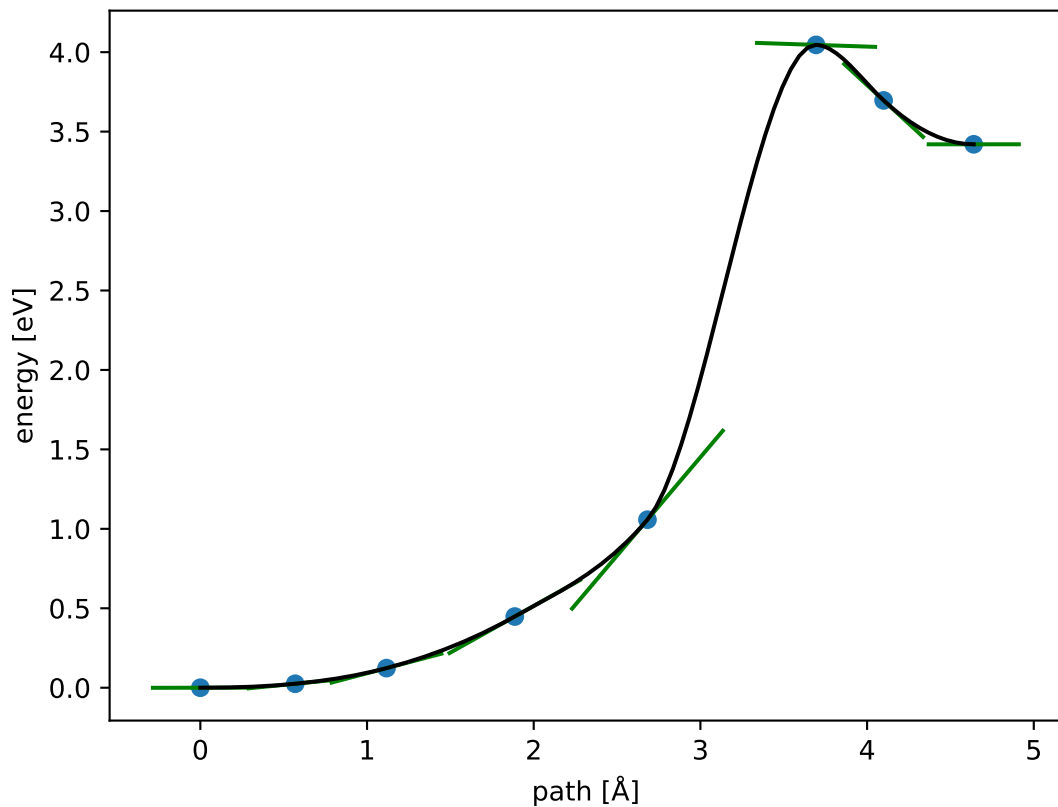
$$E_f \approx 4.052 \text{ eV}; E_r \approx 0.631 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



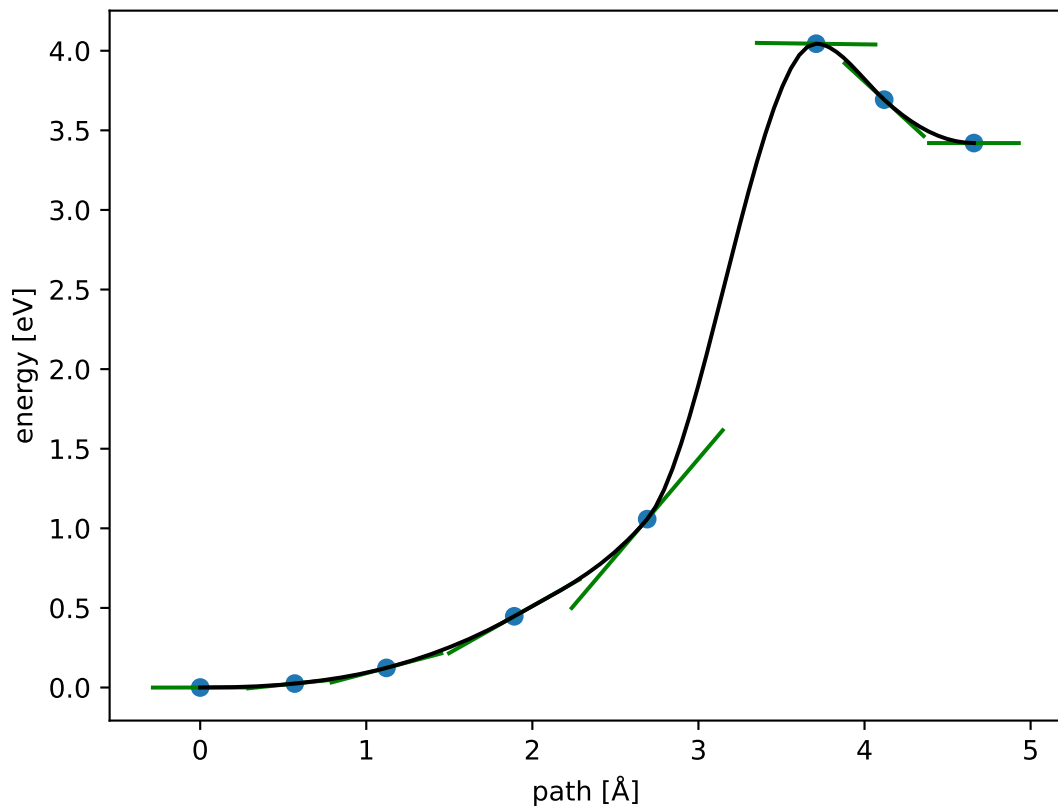
$$E_f \approx 4.048 \text{ eV}; E_r \approx 0.628 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



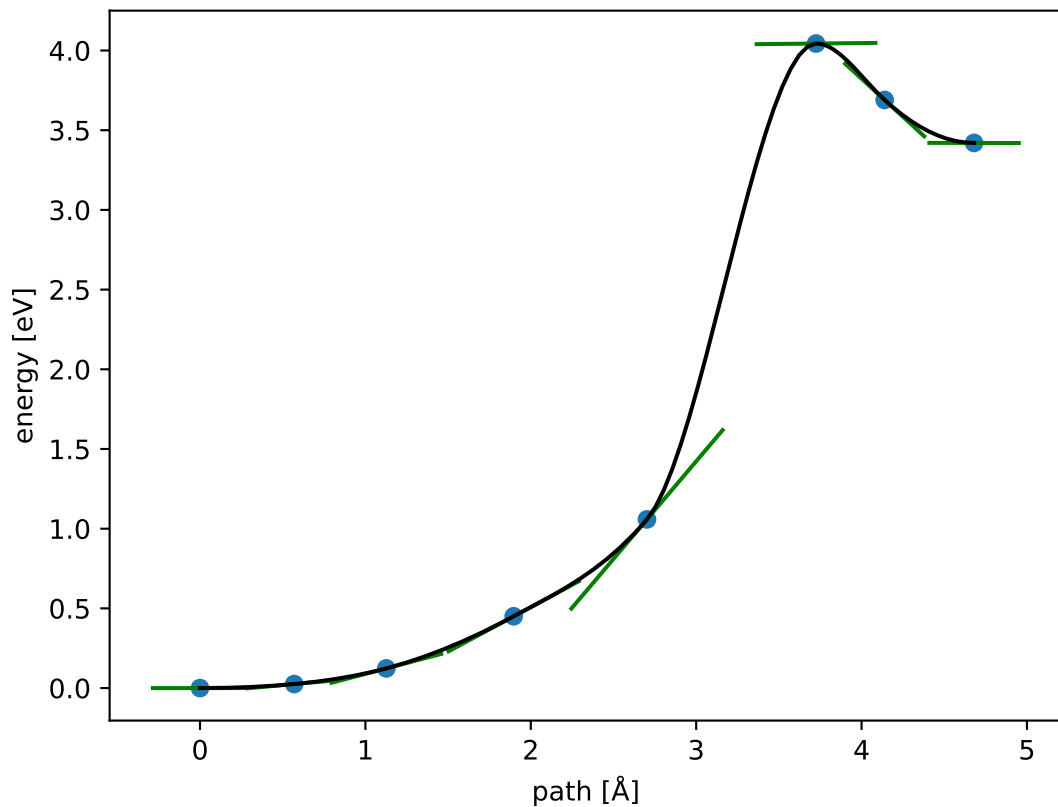
$$E_f \approx 4.046 \text{ eV}; E_r \approx 0.626 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



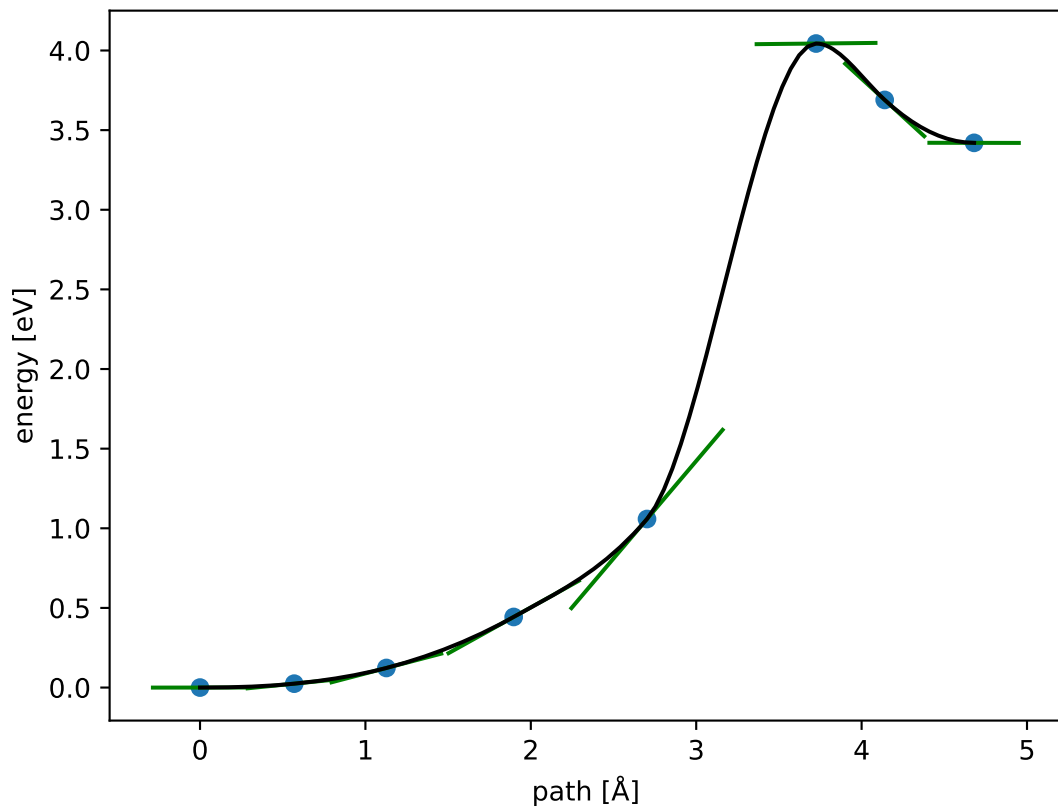
$$E_f \approx 4.044 \text{ eV}; E_r \approx 0.624 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



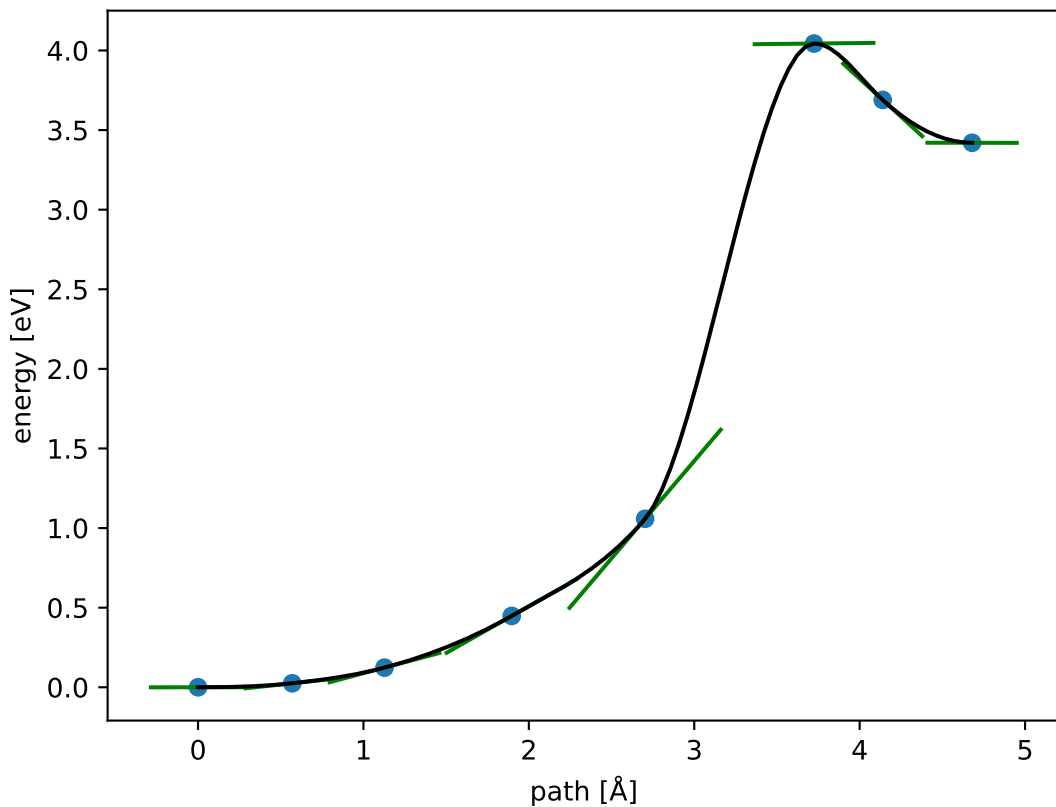
$$E_f \approx 4.044 \text{ eV}; E_r \approx 0.624 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



$$E_f \approx 4.044 \text{ eV}; E_r \approx 0.624 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

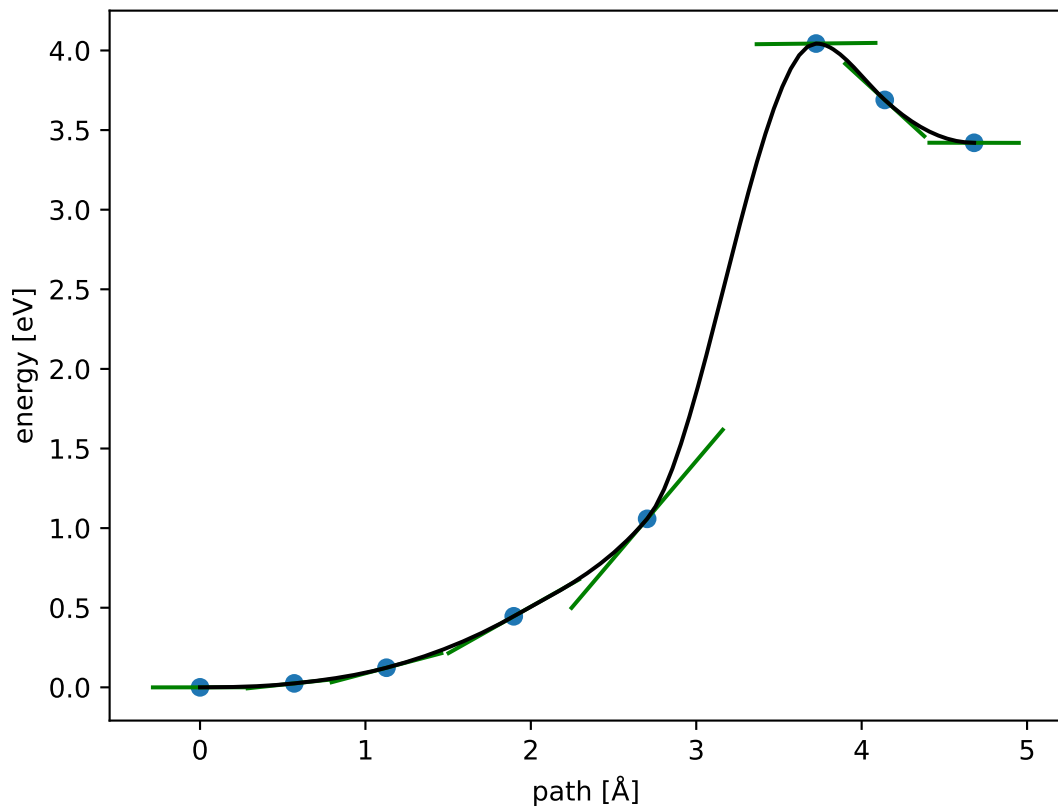


$$E_f \approx 4.044 \text{ eV}; E_r \approx 0.623 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

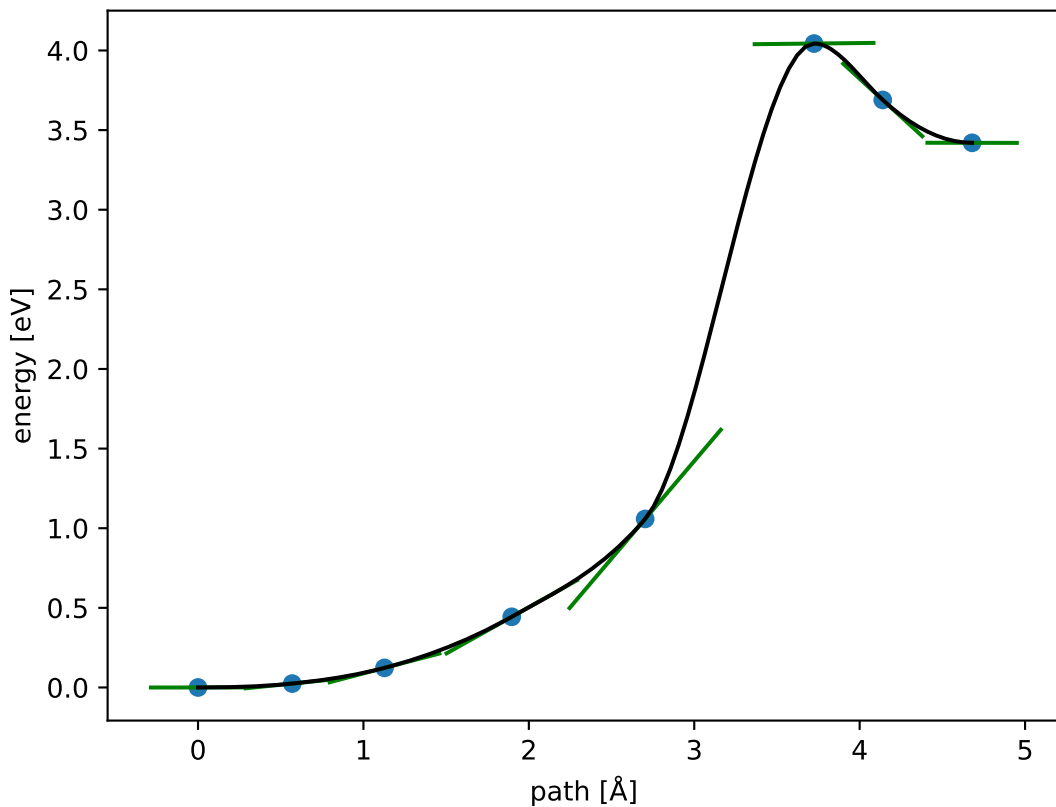




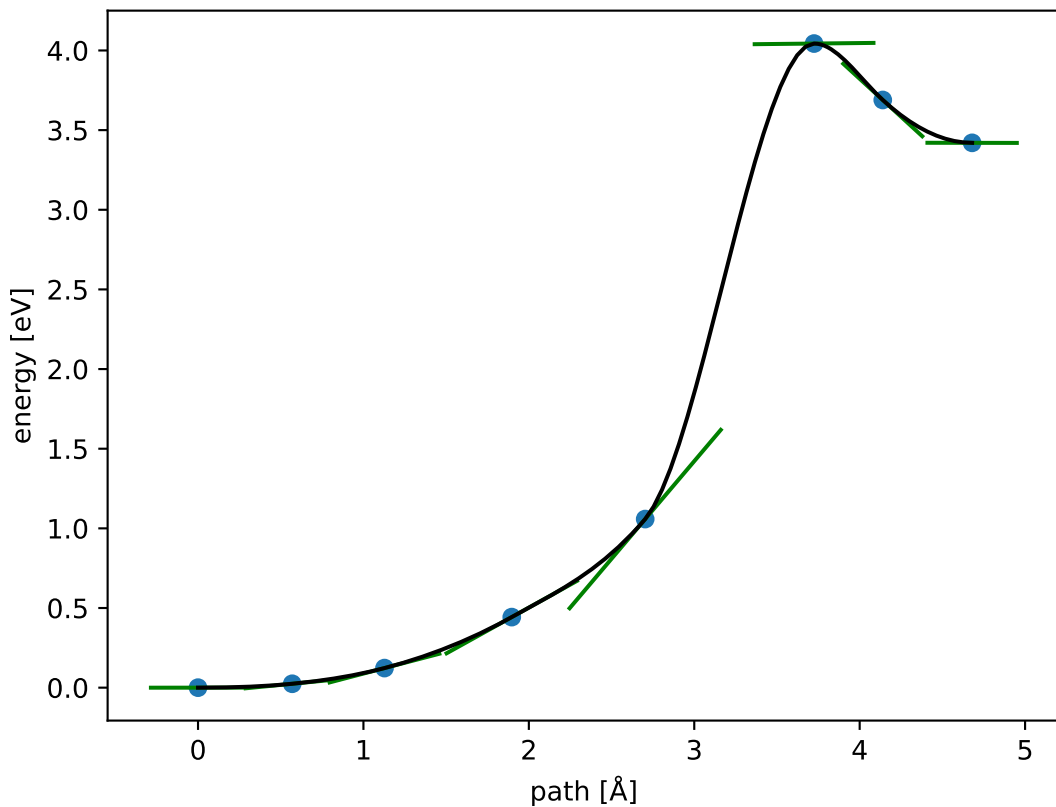
$$E_f \approx 4.044 \text{ eV}; E_r \approx 0.623 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



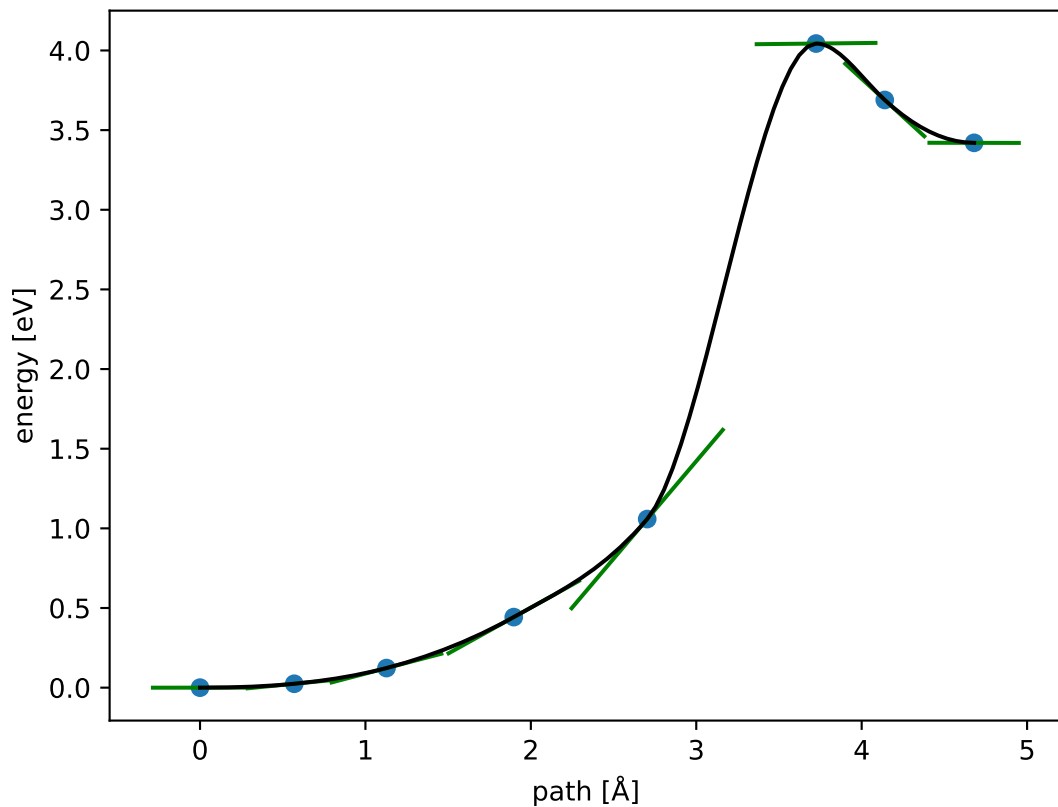
$$E_f \approx 4.043 \text{ eV}; E_r \approx 0.623 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



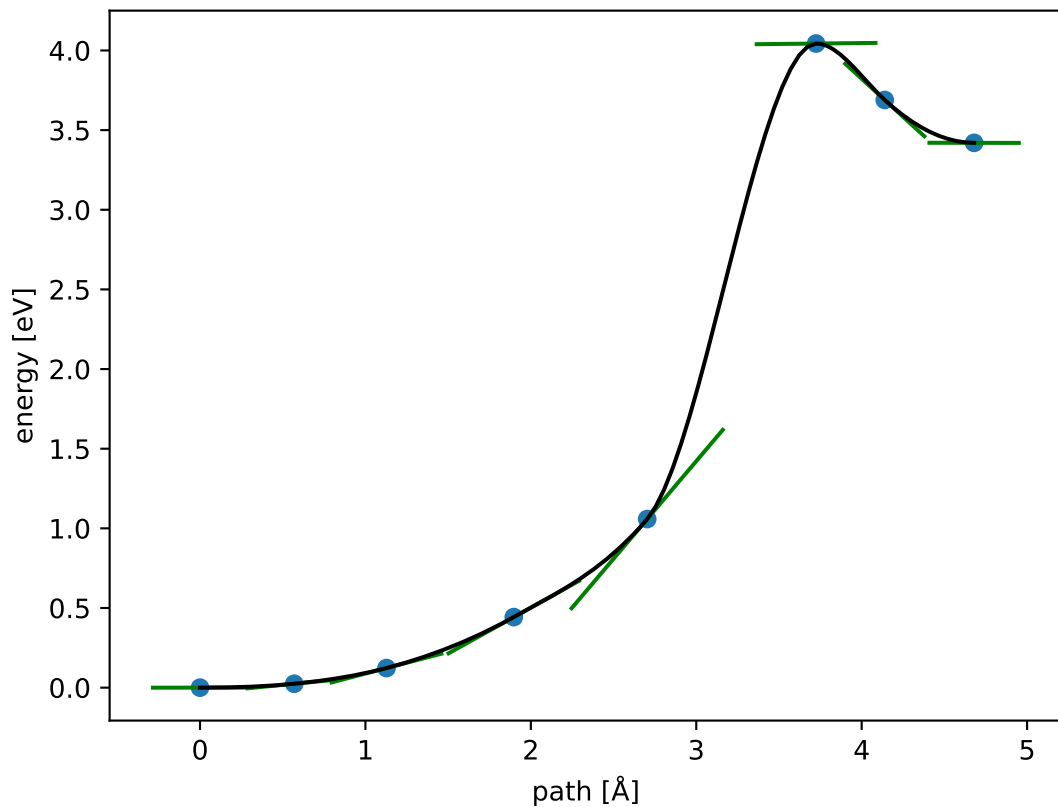
$$E_f \approx 4.043 \text{ eV}; E_r \approx 0.623 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



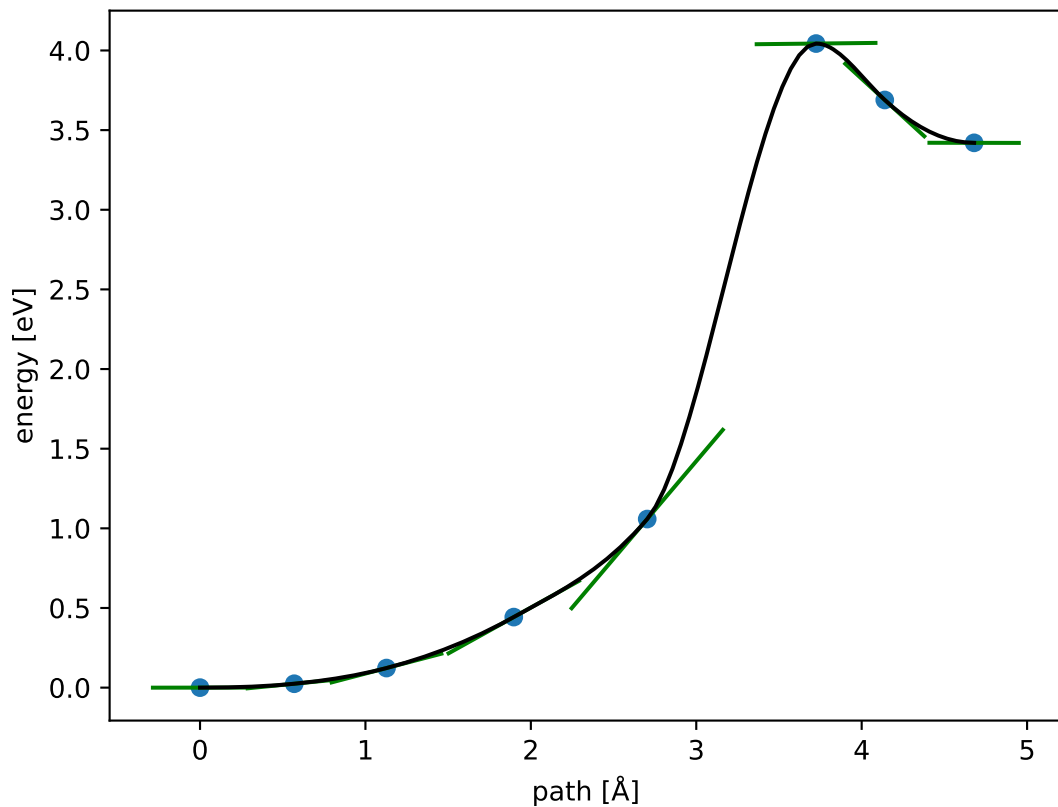
$$E_f \approx 4.043 \text{ eV}; E_r \approx 0.623 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



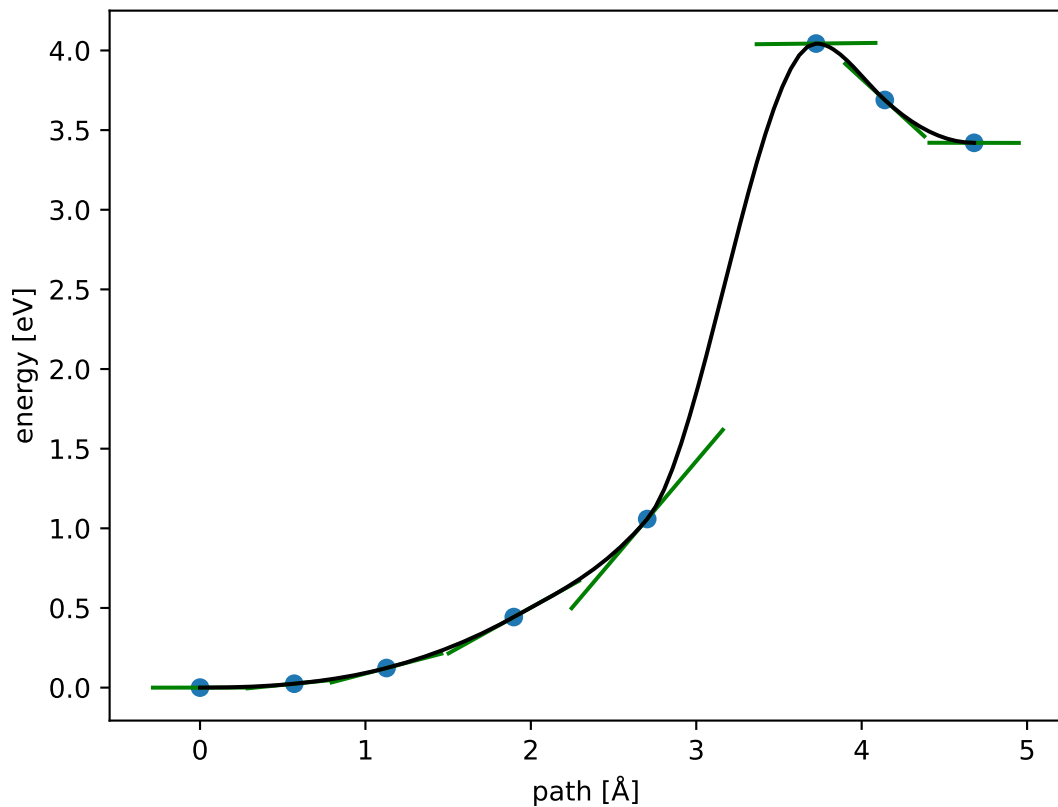
$$E_f \approx 4.043 \text{ eV}; E_r \approx 0.623 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



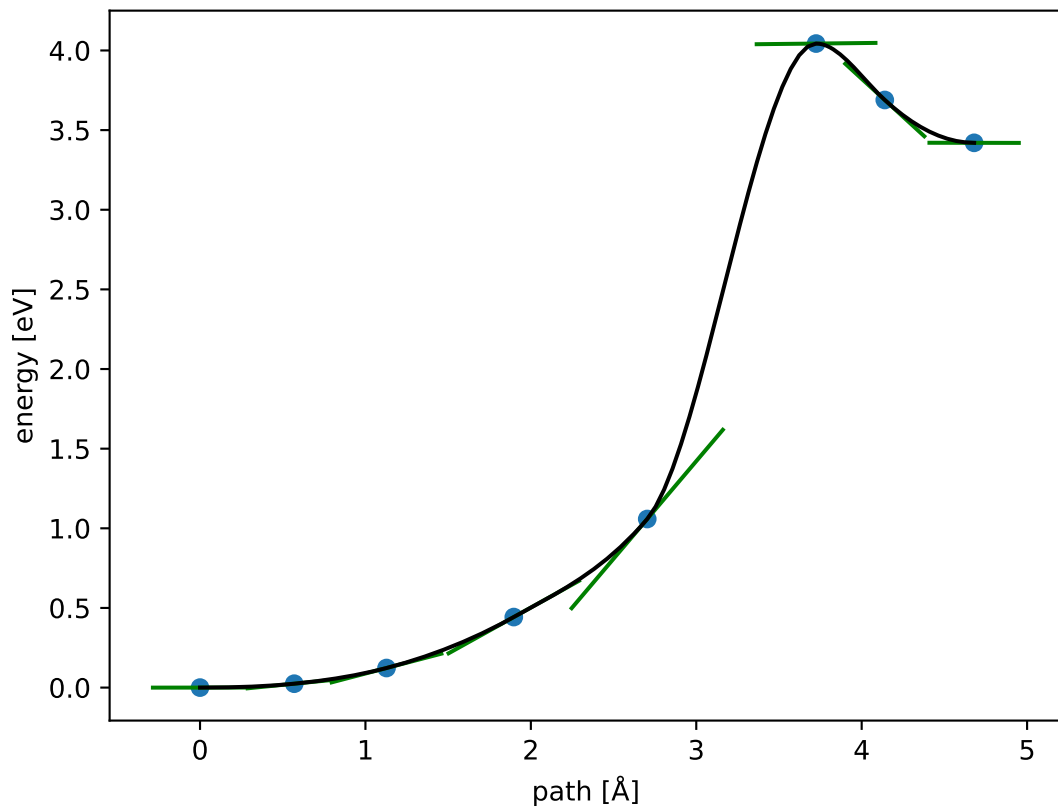
$$E_f \approx 4.043 \text{ eV}; E_r \approx 0.623 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



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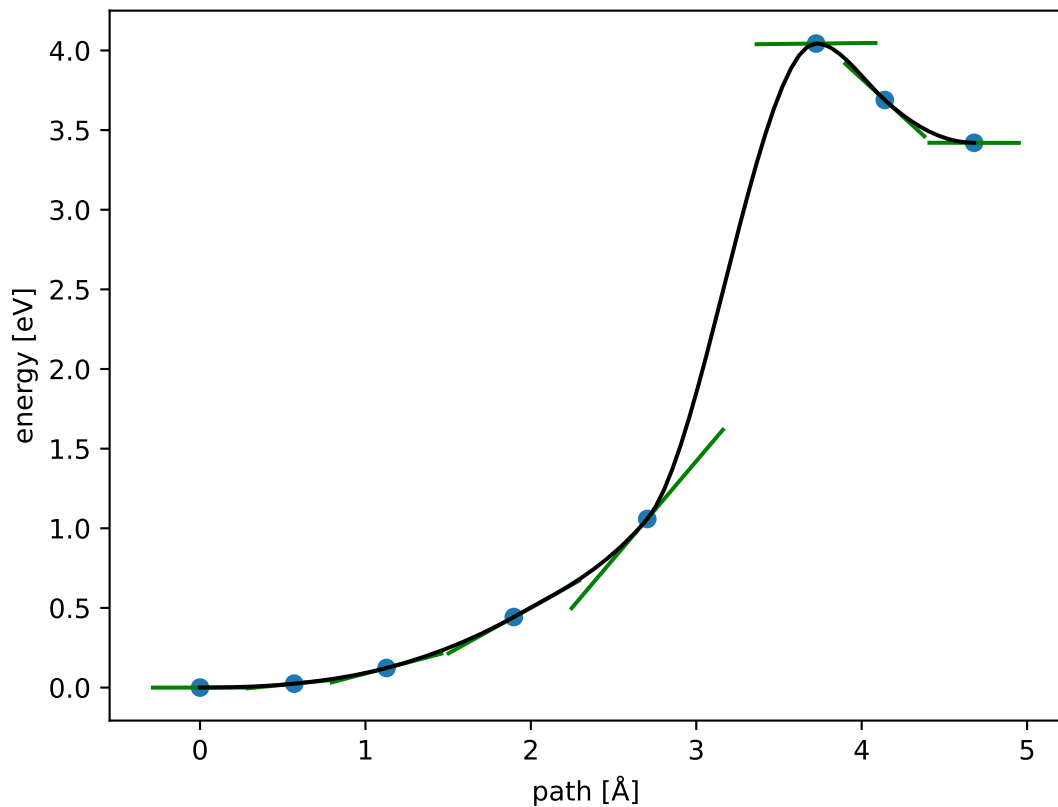


$$E_f \approx 4.043 \text{ eV}; E_r \approx 0.623 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

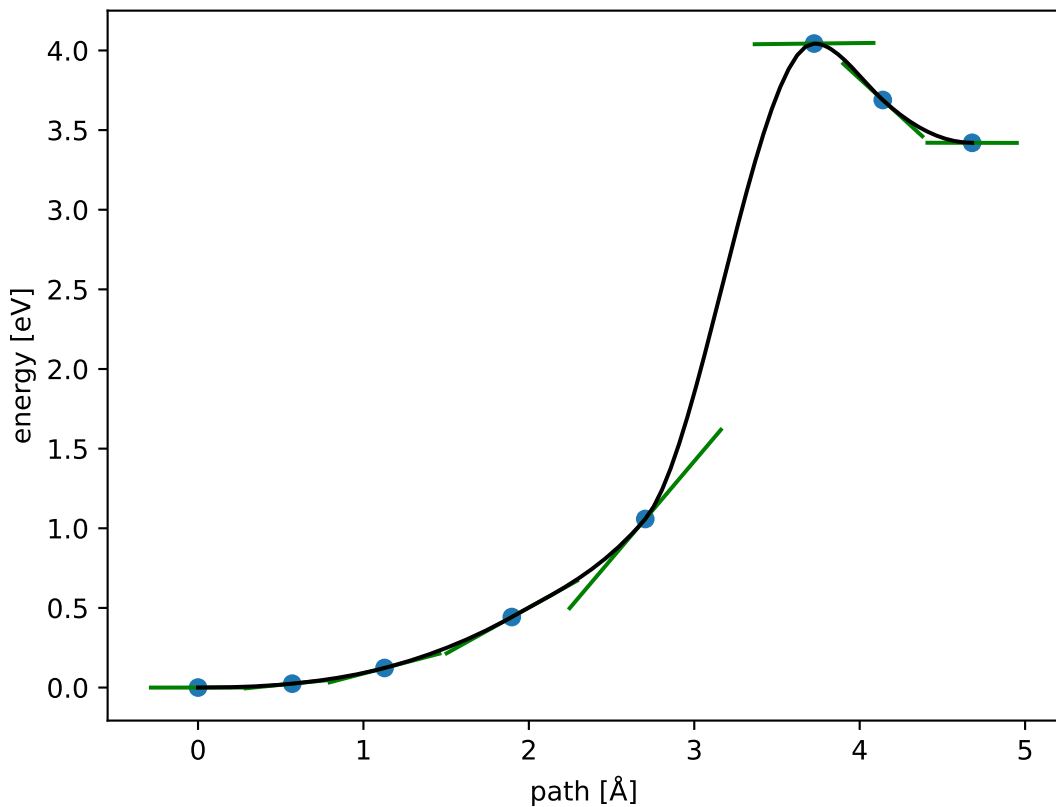




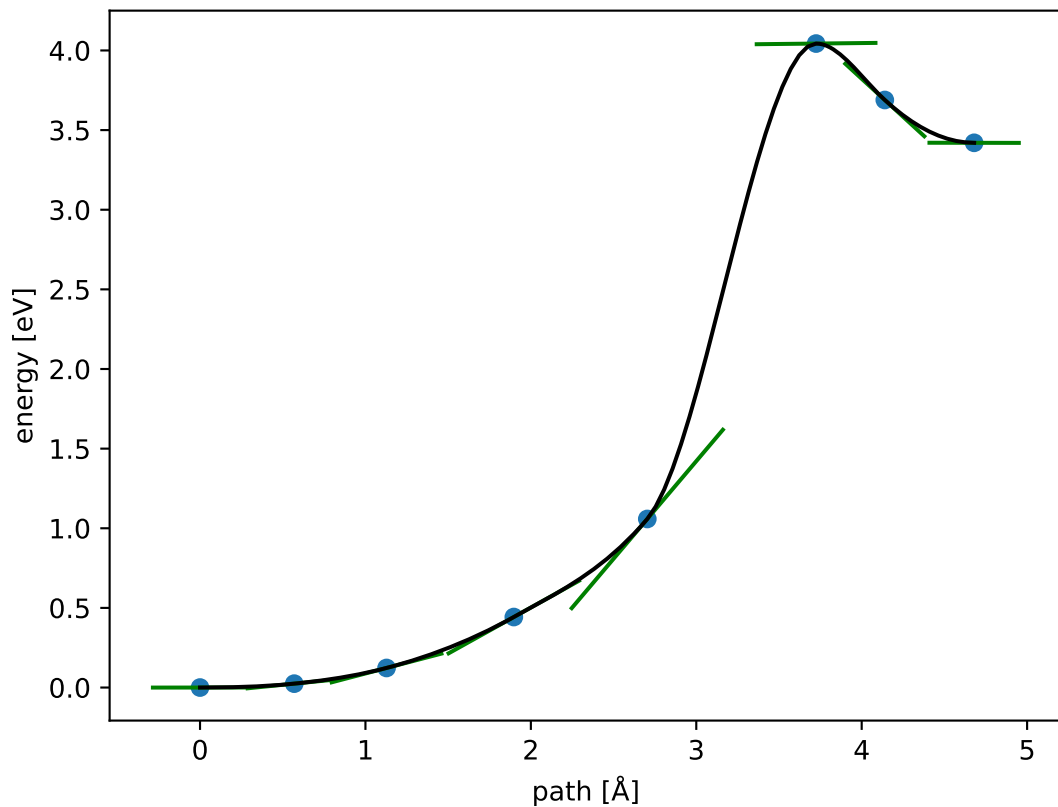
$$E_f \approx 4.043 \text{ eV}; E_r \approx 0.623 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



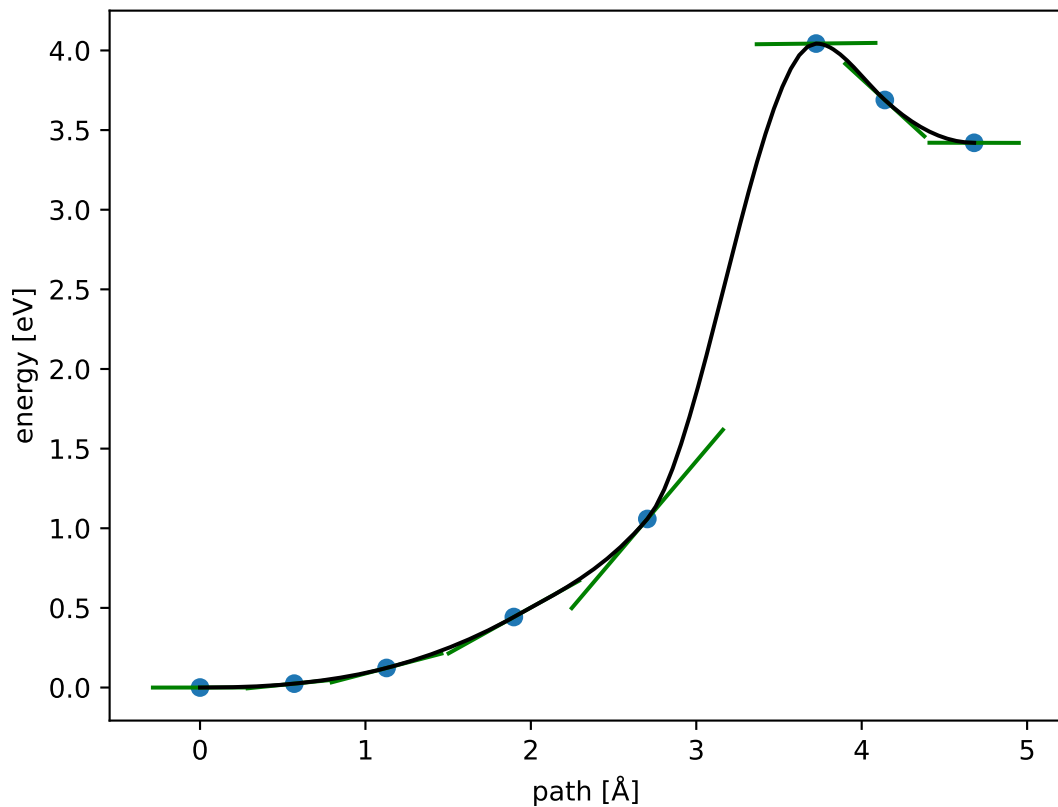
$$E_f \approx 4.043 \text{ eV}; E_r \approx 0.623 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



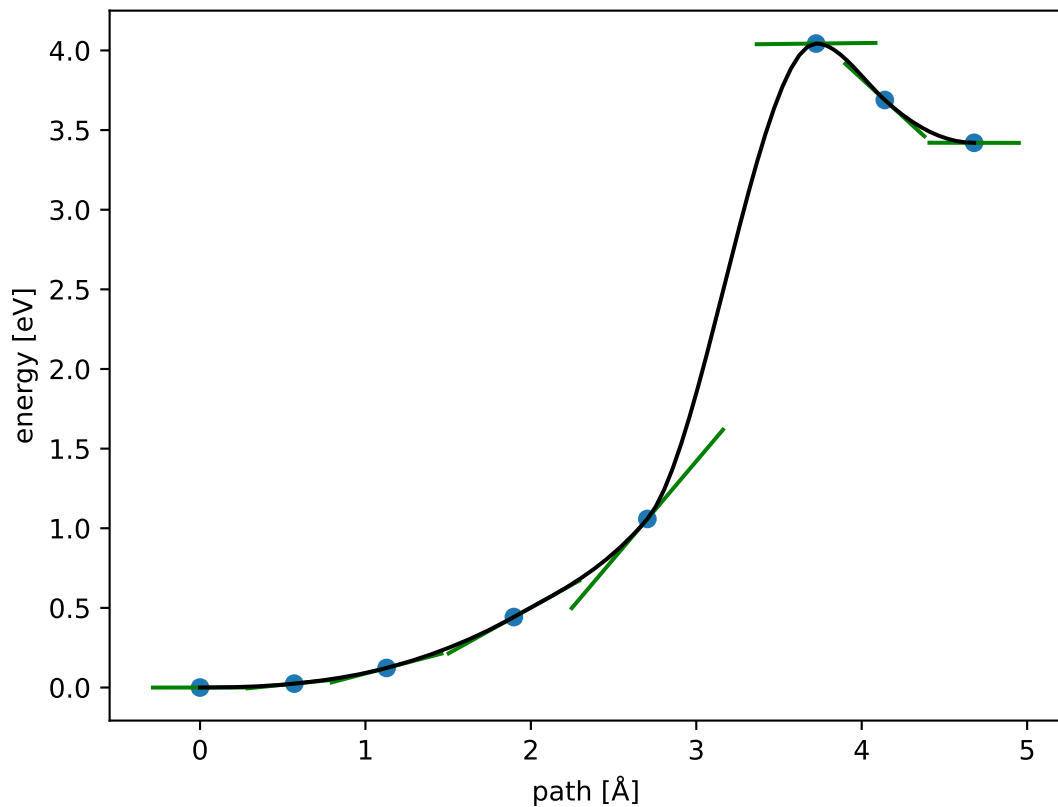
$$E_f \approx 4.043 \text{ eV}; E_r \approx 0.623 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



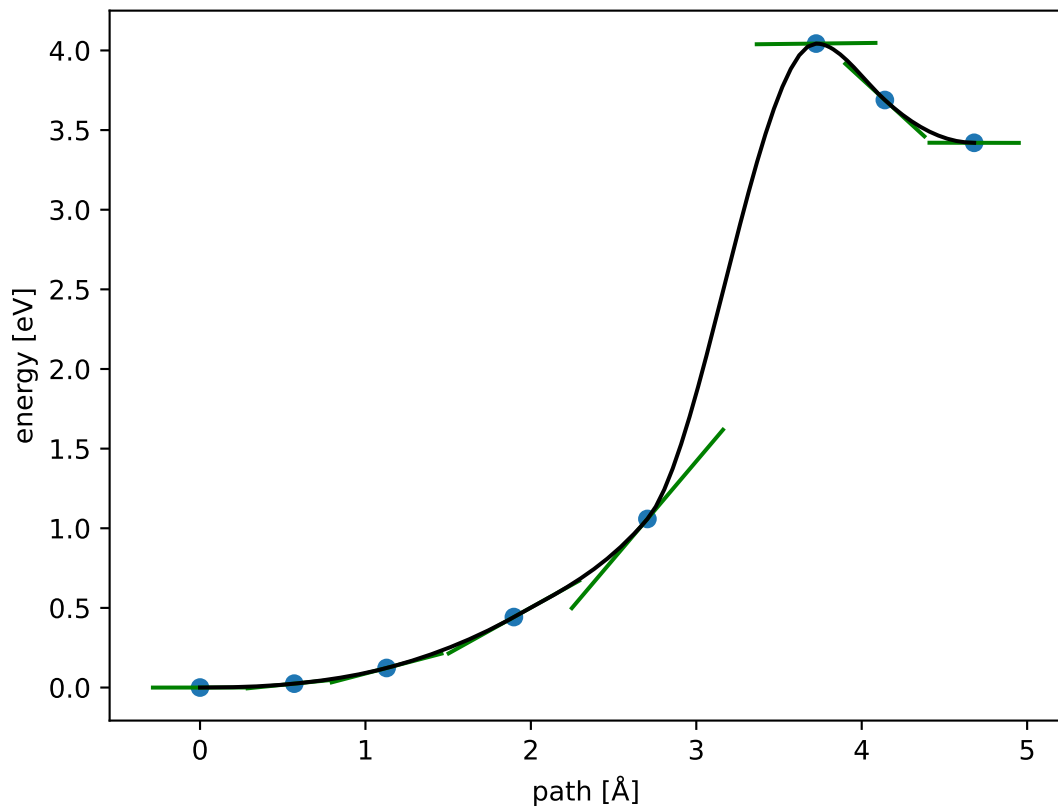
$$E_f \approx 4.043 \text{ eV}; E_r \approx 0.623 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



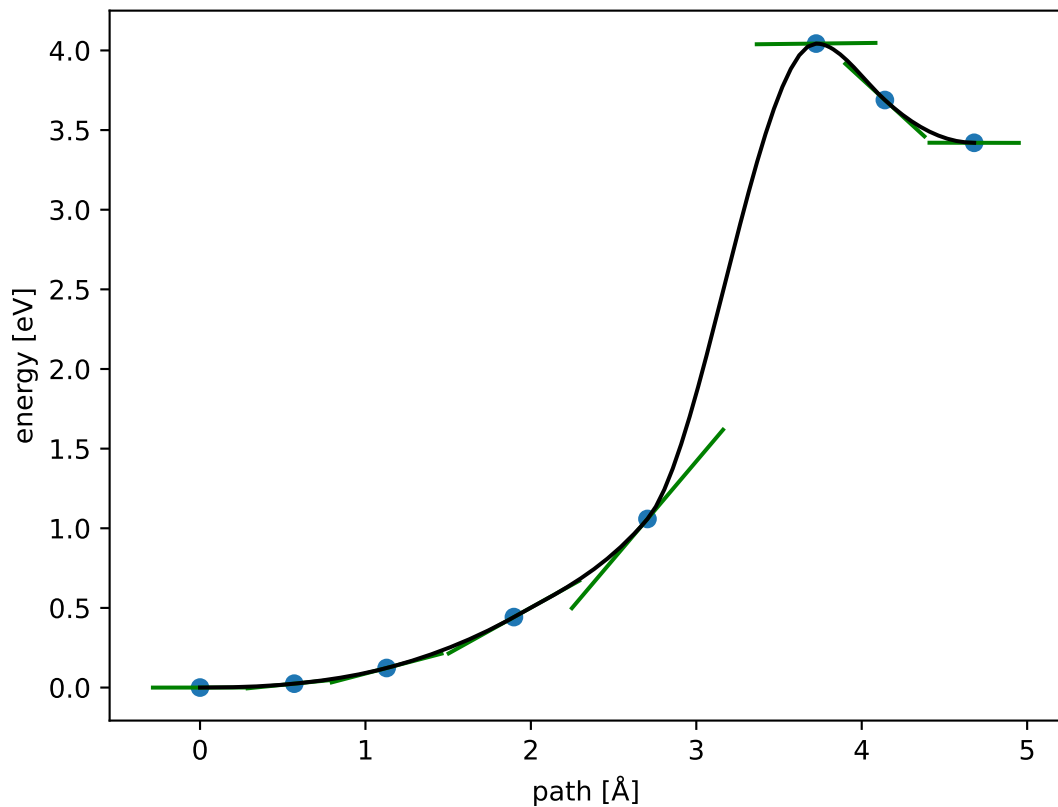
$$E_f \approx 4.043 \text{ eV}; E_r \approx 0.623 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



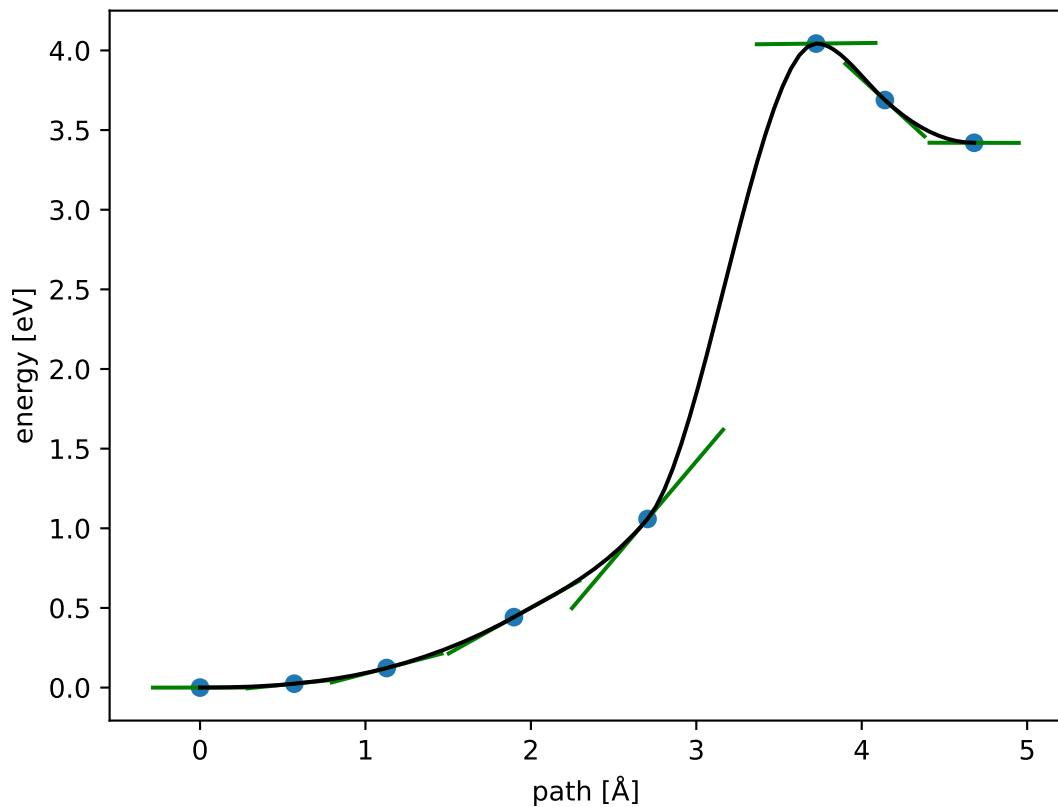
$$E_f \approx 4.043 \text{ eV}; E_r \approx 0.623 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



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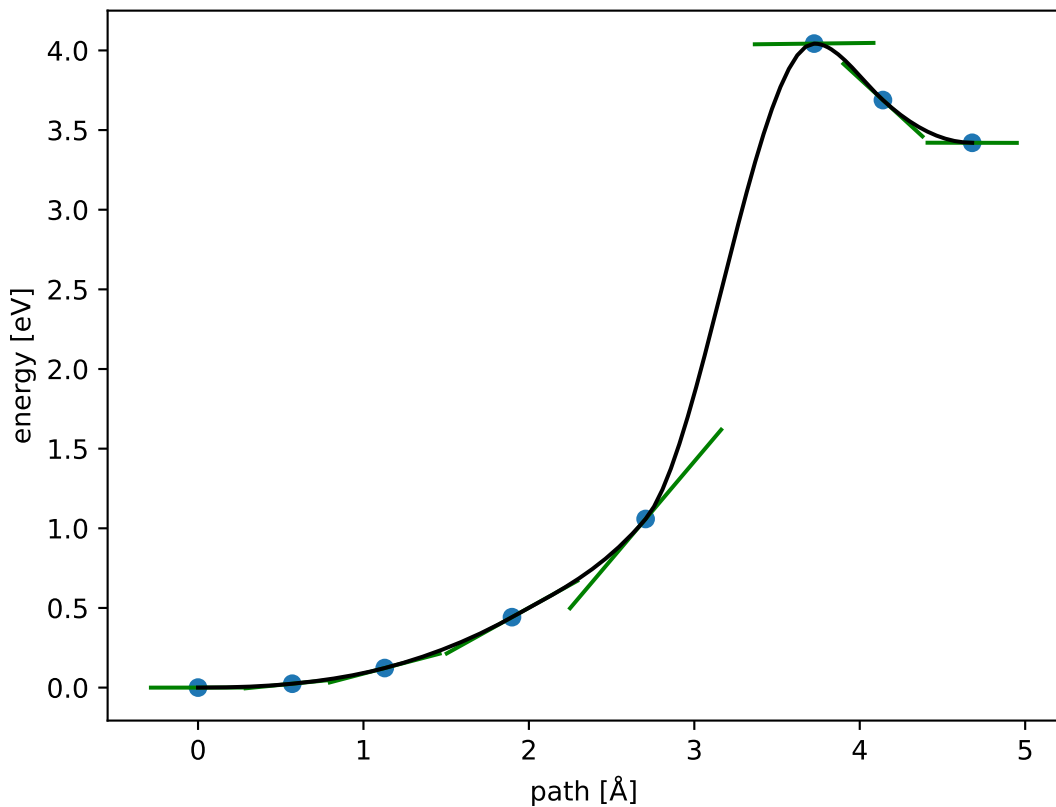


$$E_f \approx 4.043 \text{ eV}; E_r \approx 0.623 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

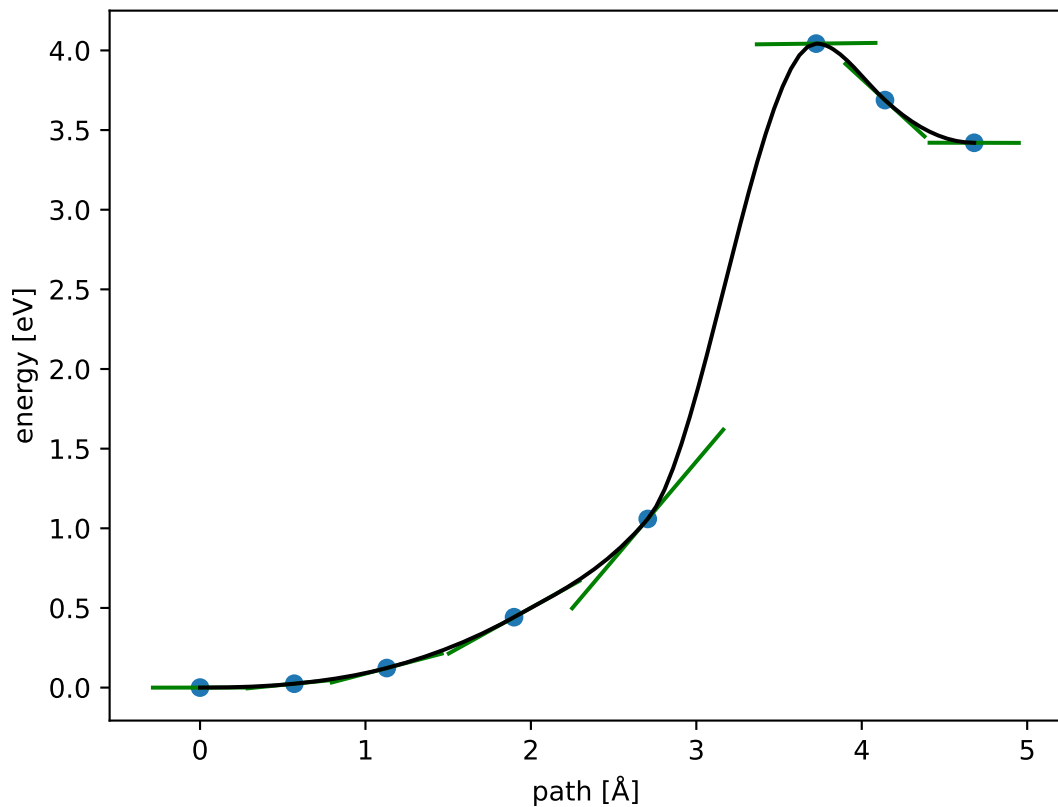




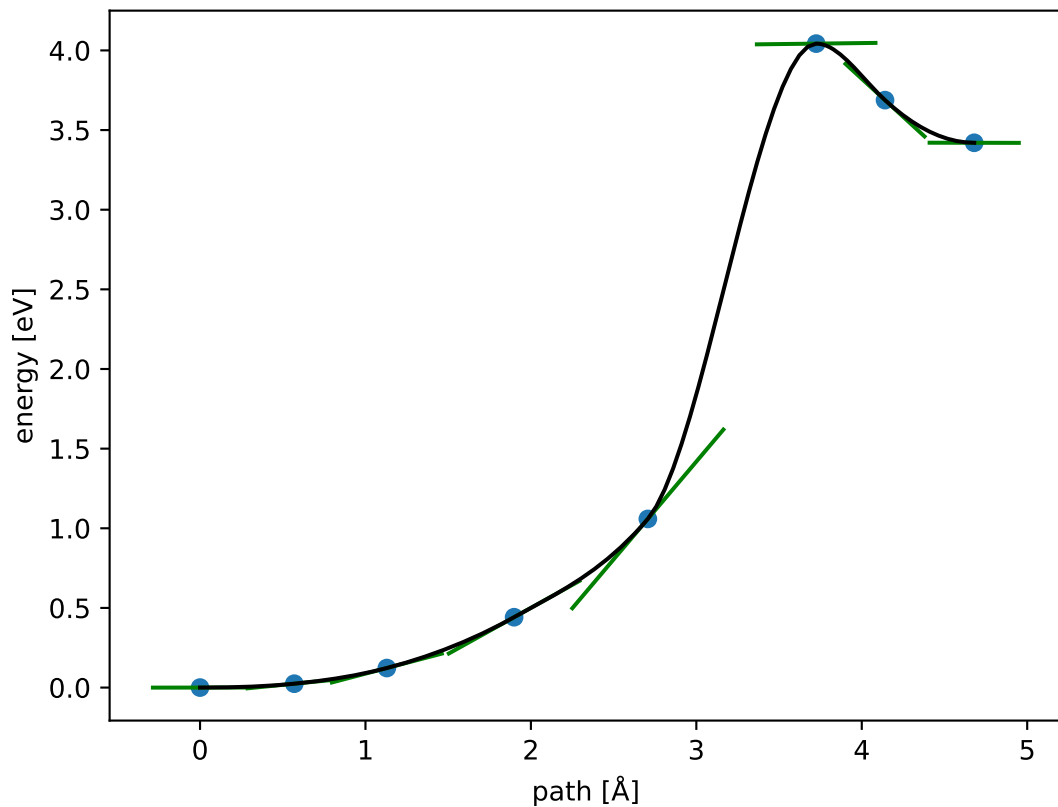
$$E_f \approx 4.043 \text{ eV}; E_r \approx 0.623 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



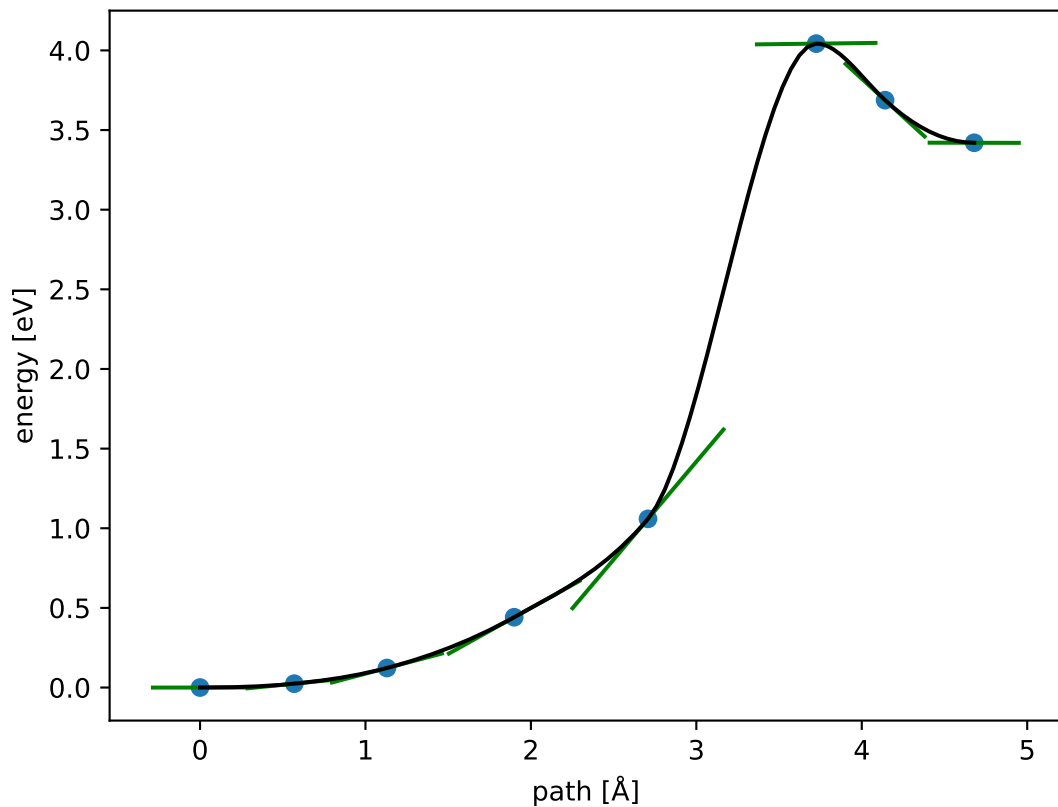
$$E_f \approx 4.043 \text{ eV}; E_r \approx 0.623 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



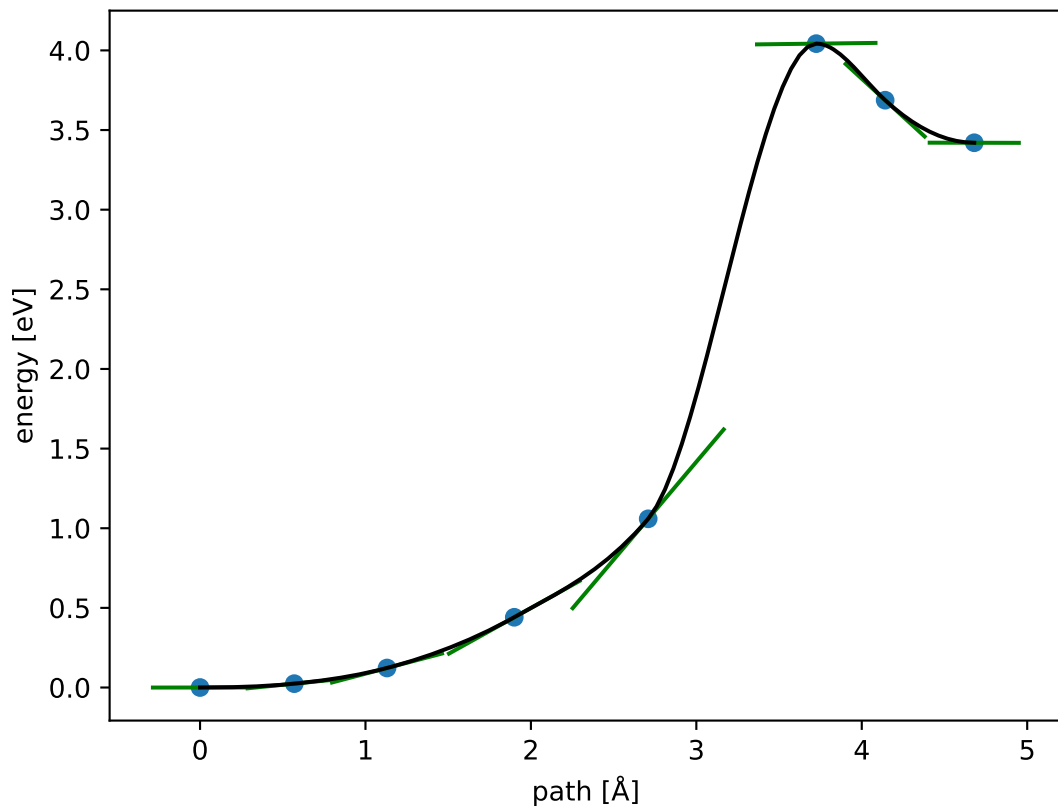
$$E_f \approx 4.043 \text{ eV}; E_r \approx 0.623 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



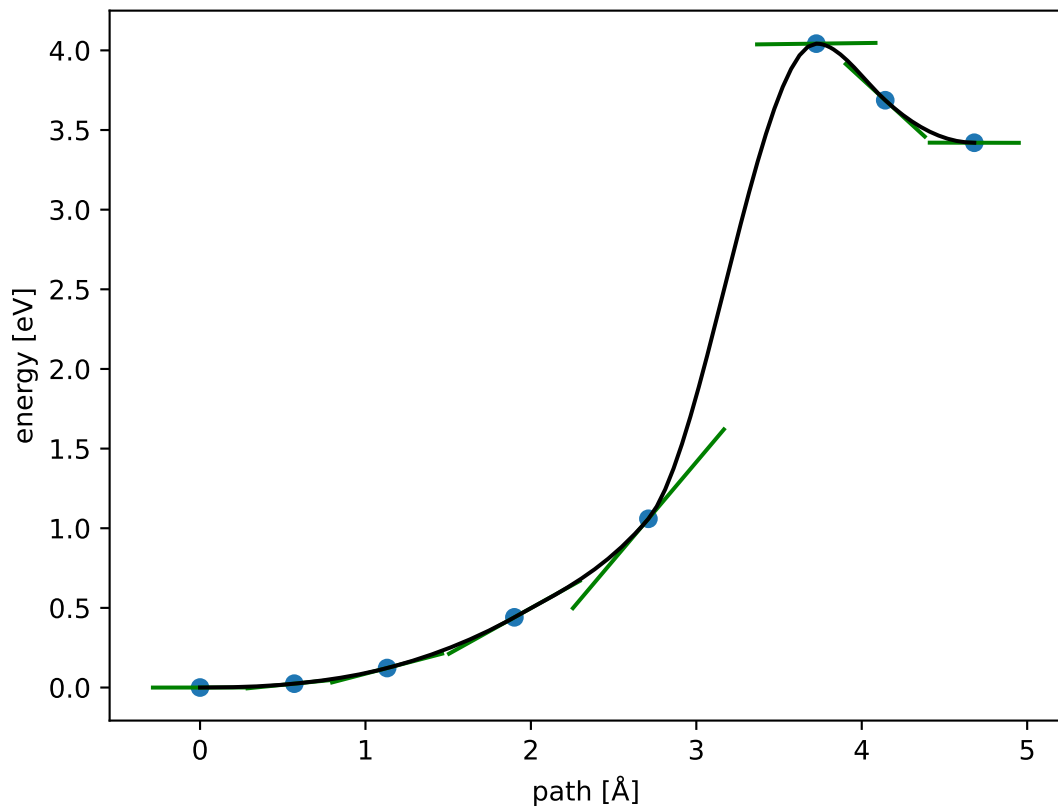
$$E_f \approx 4.043 \text{ eV}; E_r \approx 0.622 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



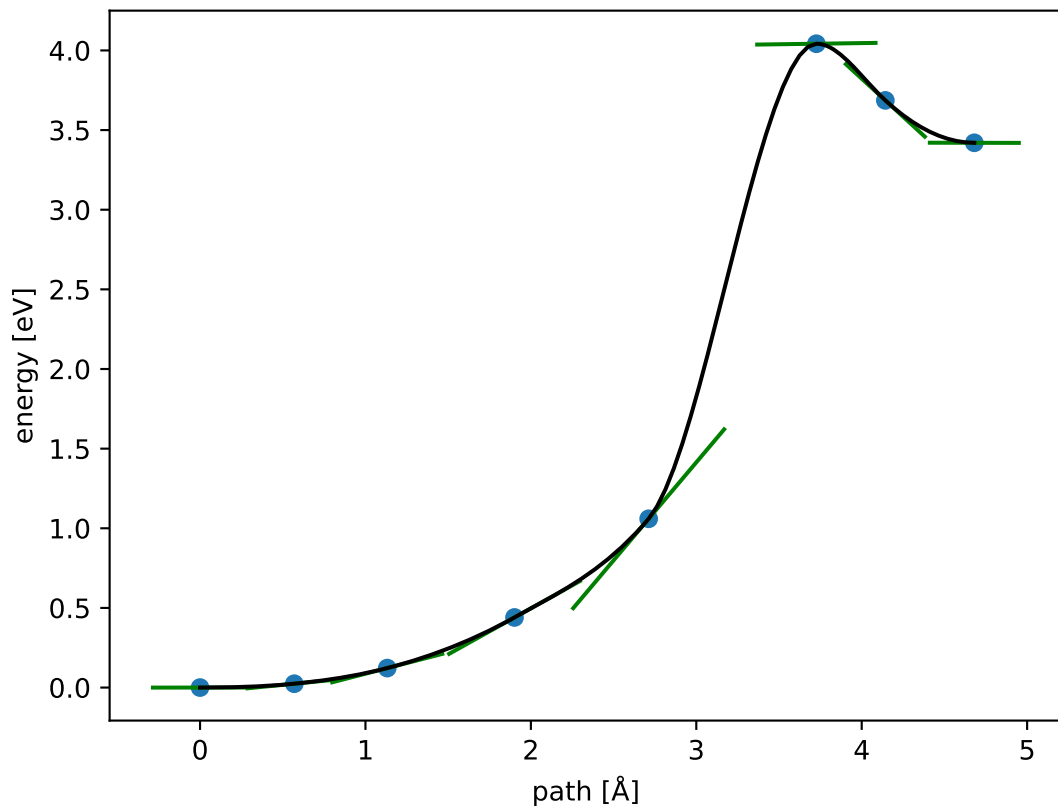
$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.622 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



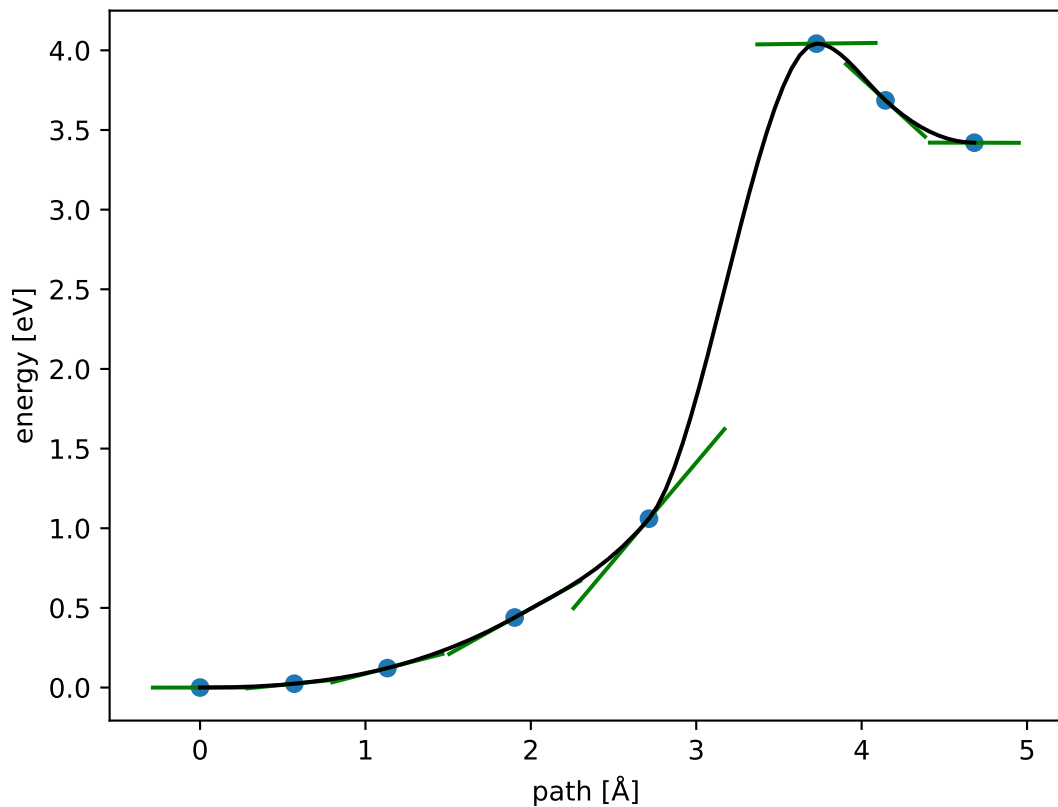
$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.622 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



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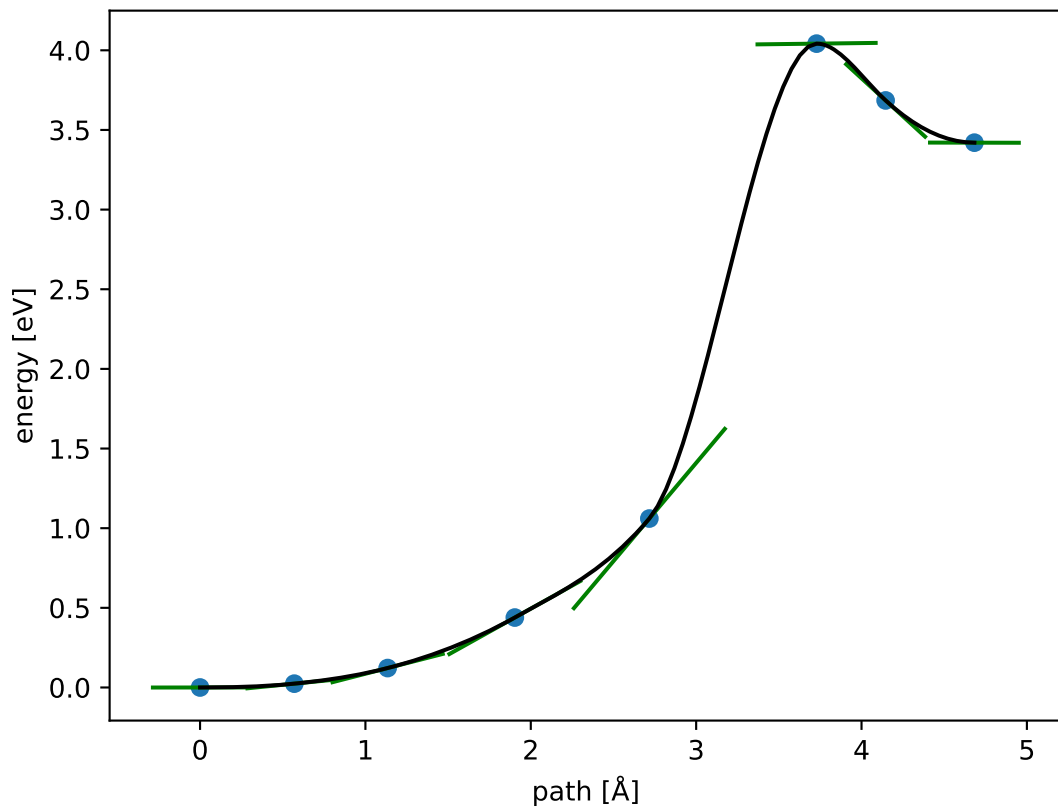


$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.622 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

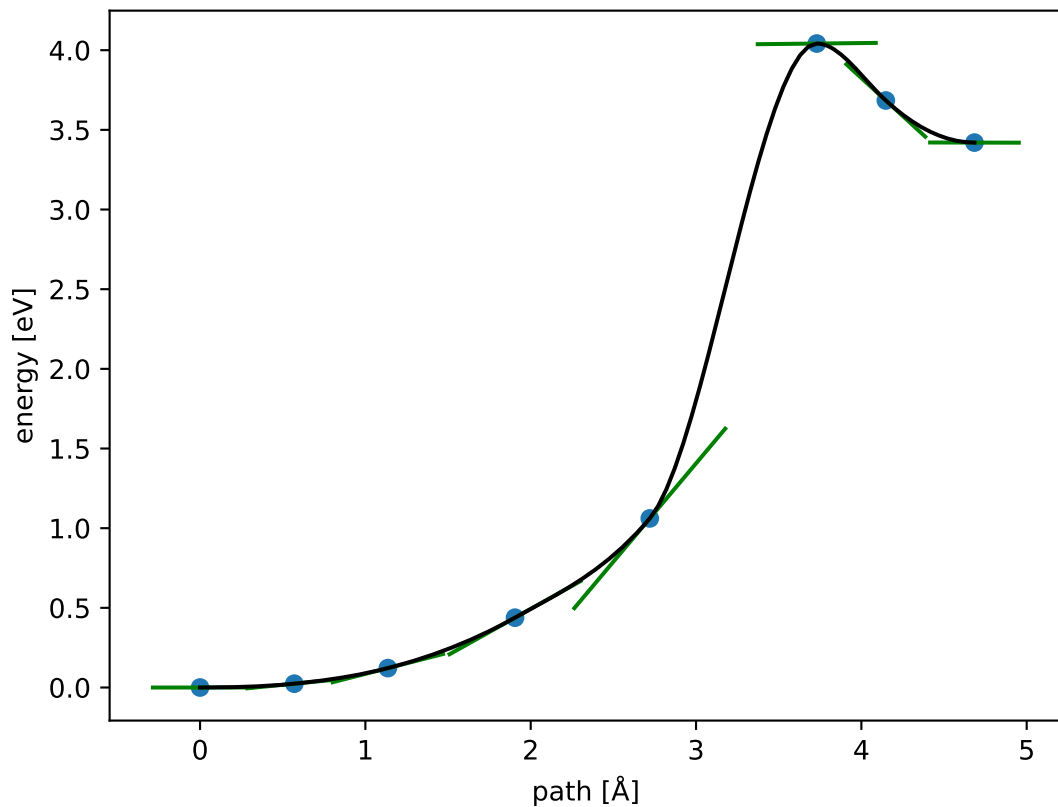




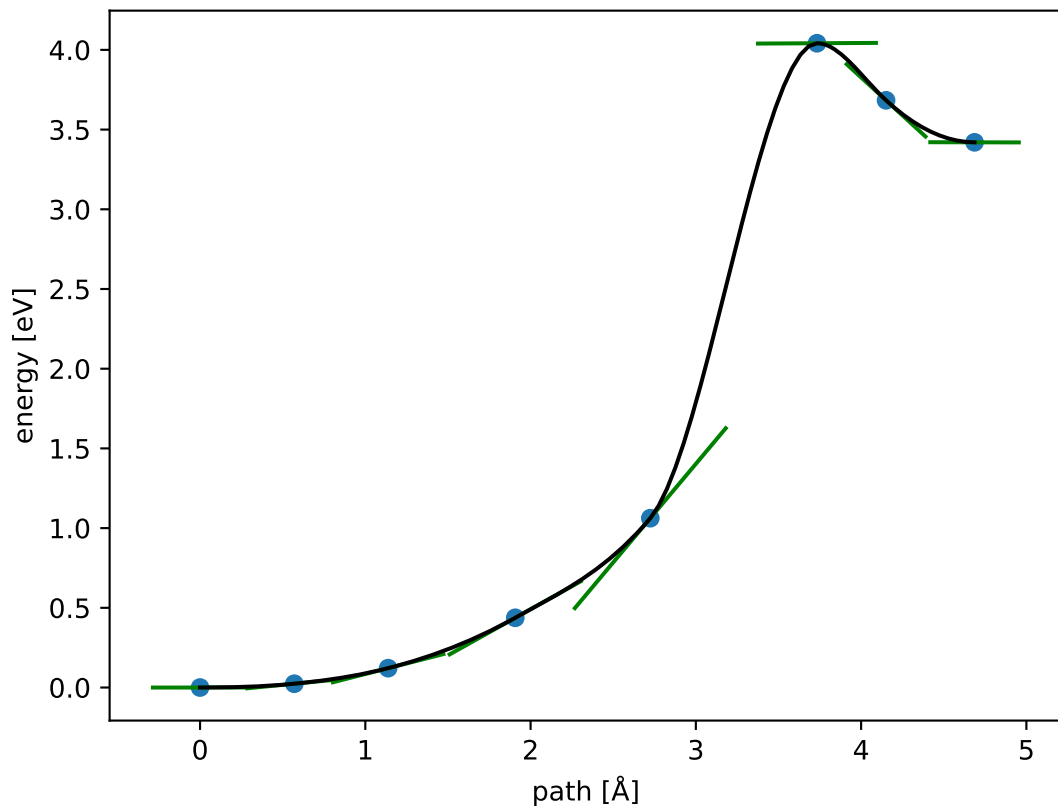
$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.622 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



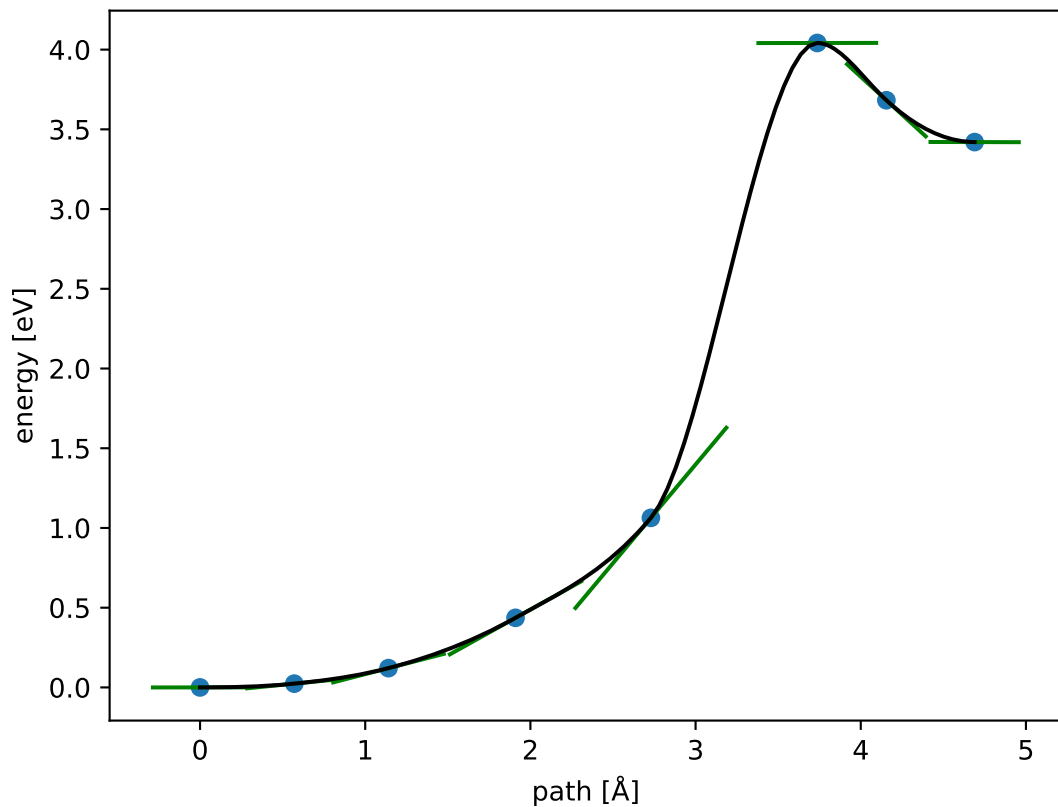
$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.622 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



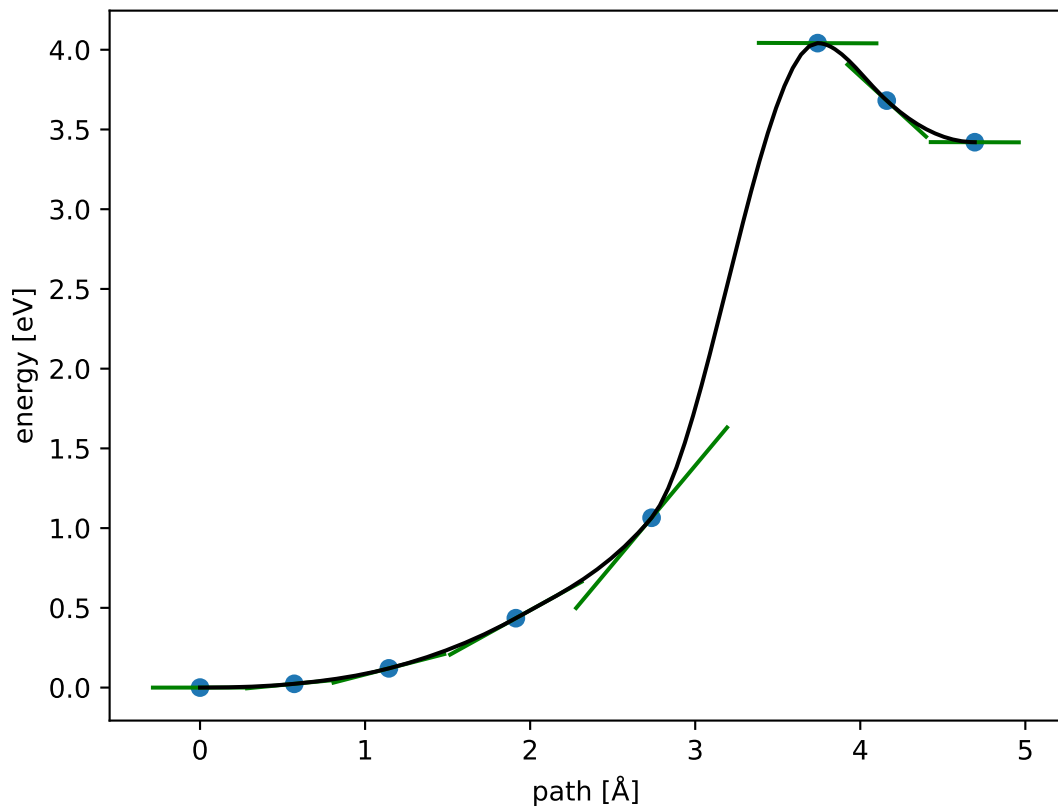
$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.622 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



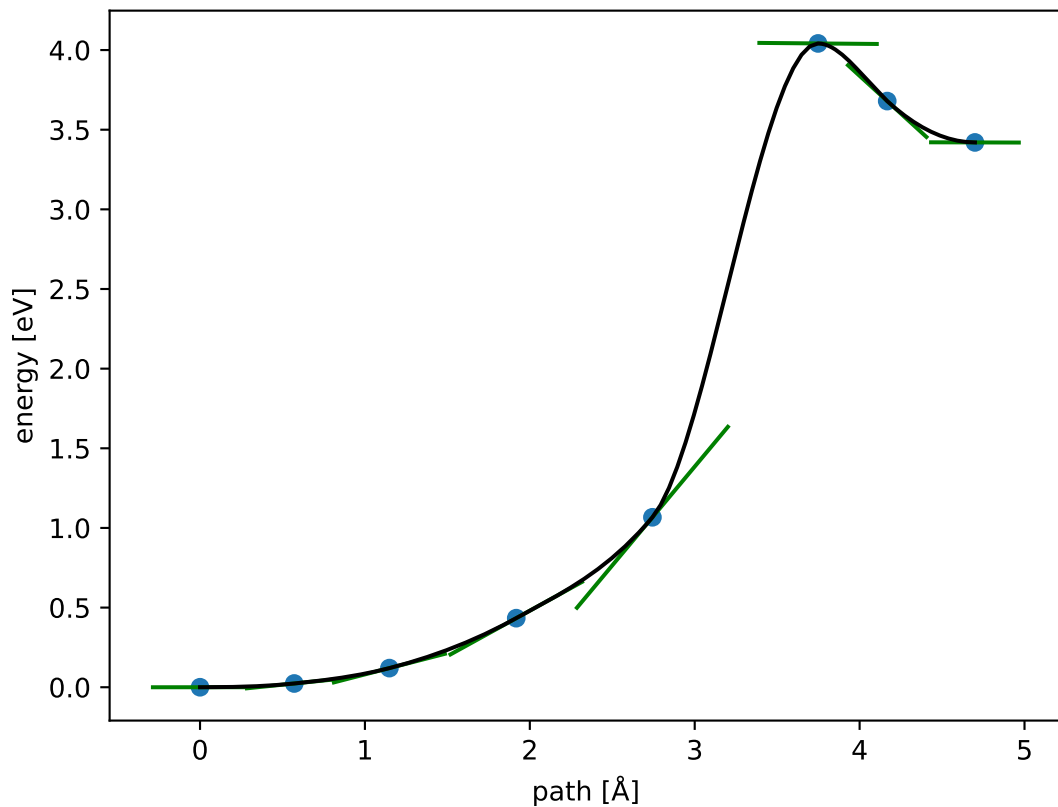
$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.621 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



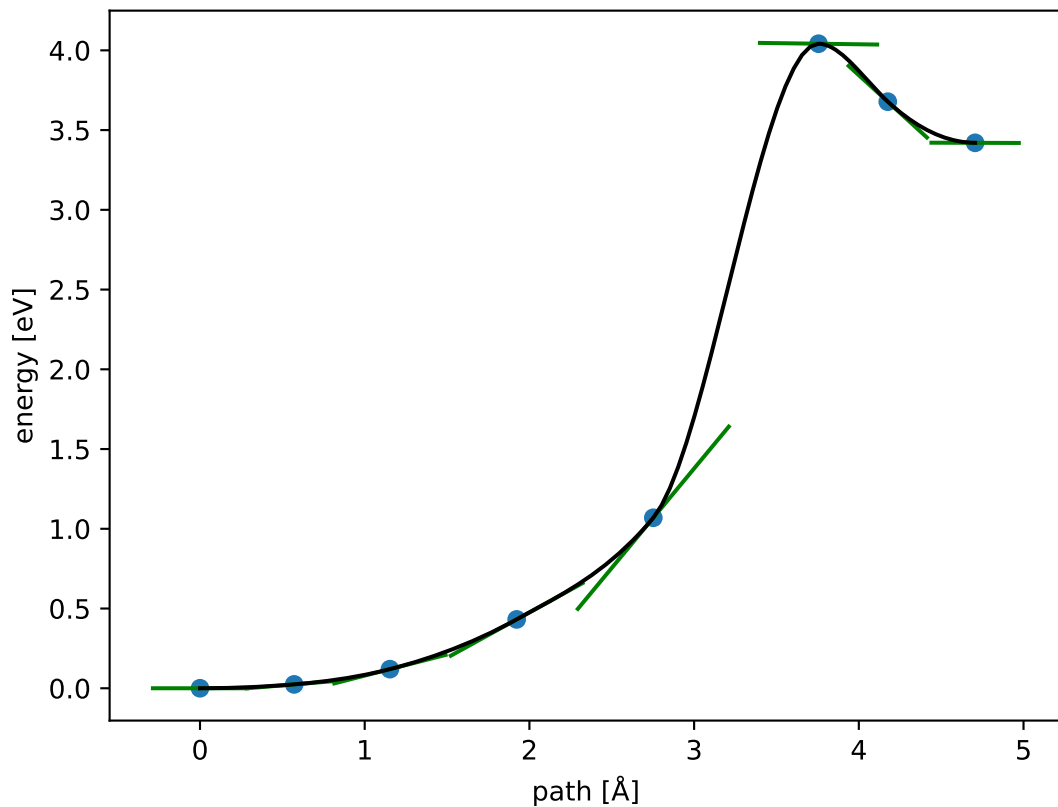
$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.621 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



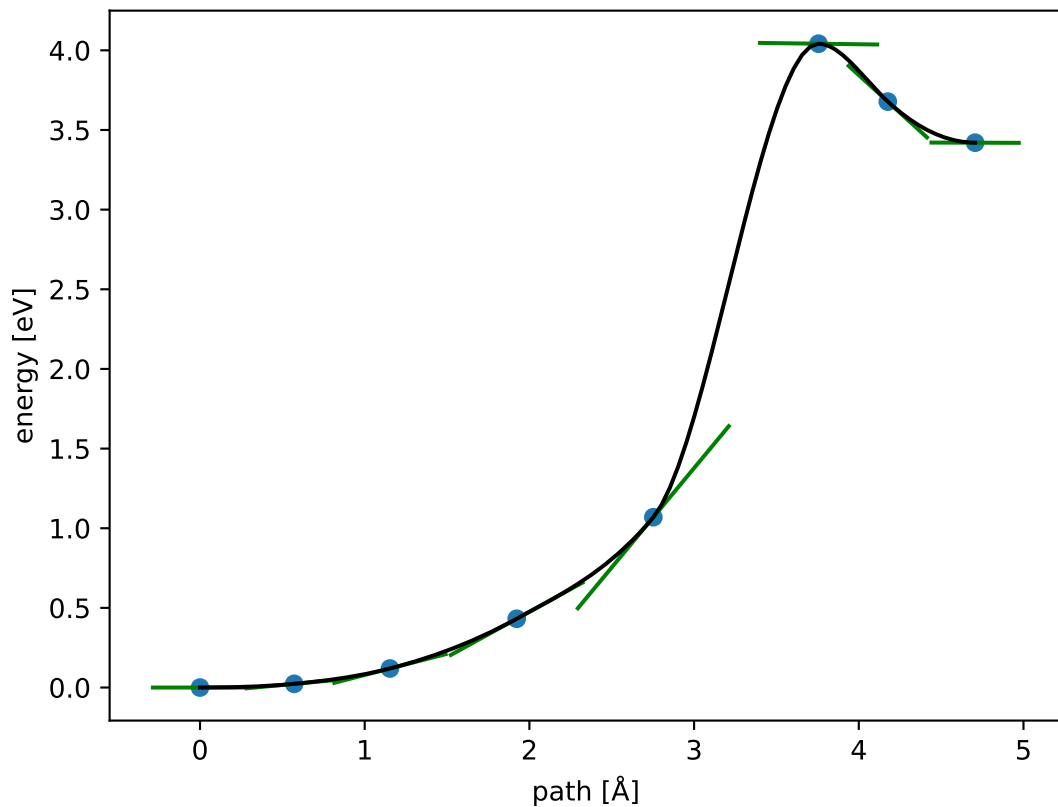
$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.621 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.621 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

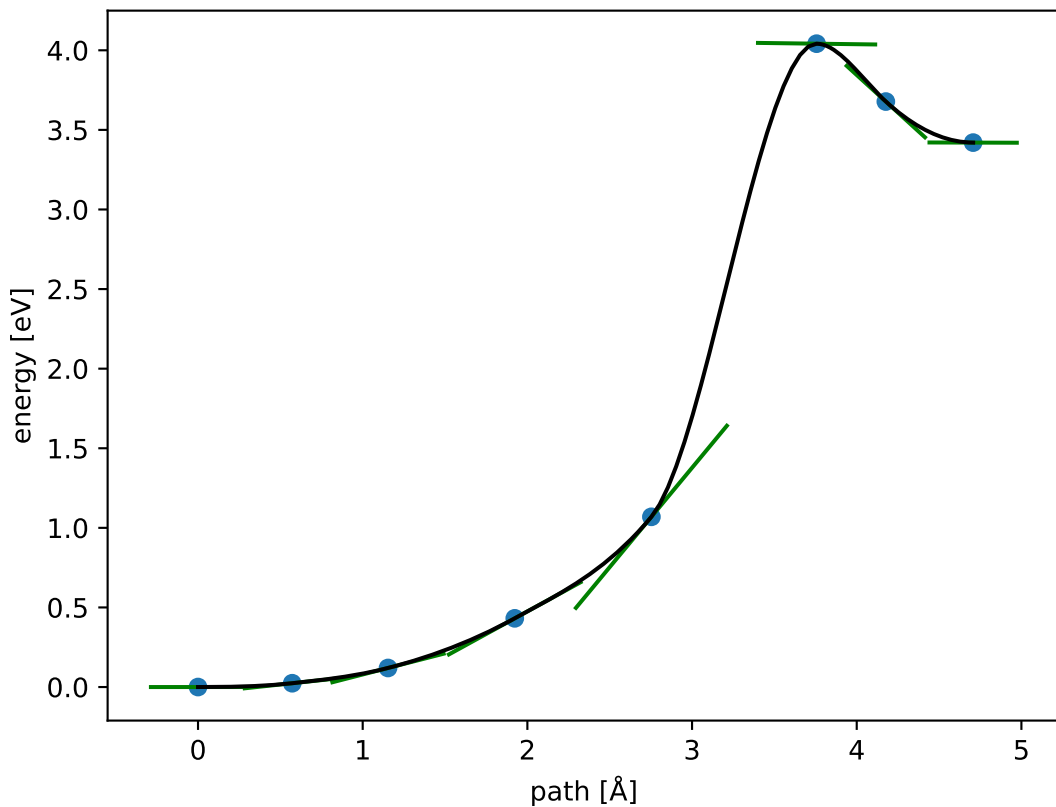


$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.621 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

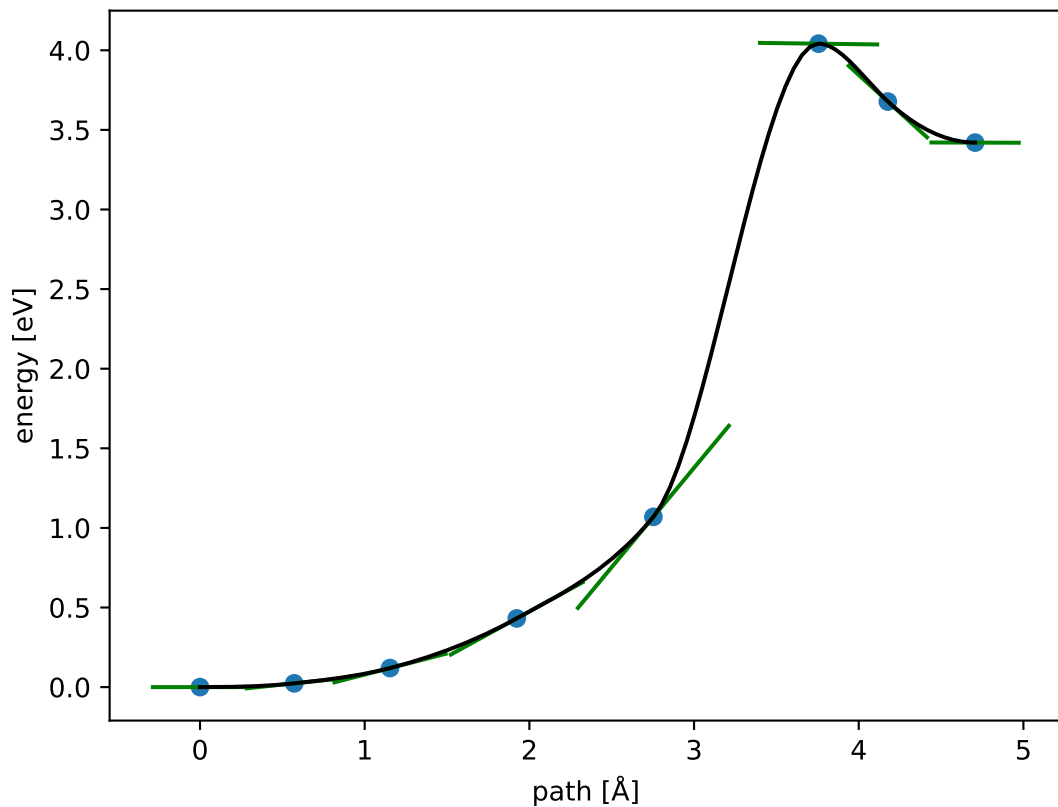




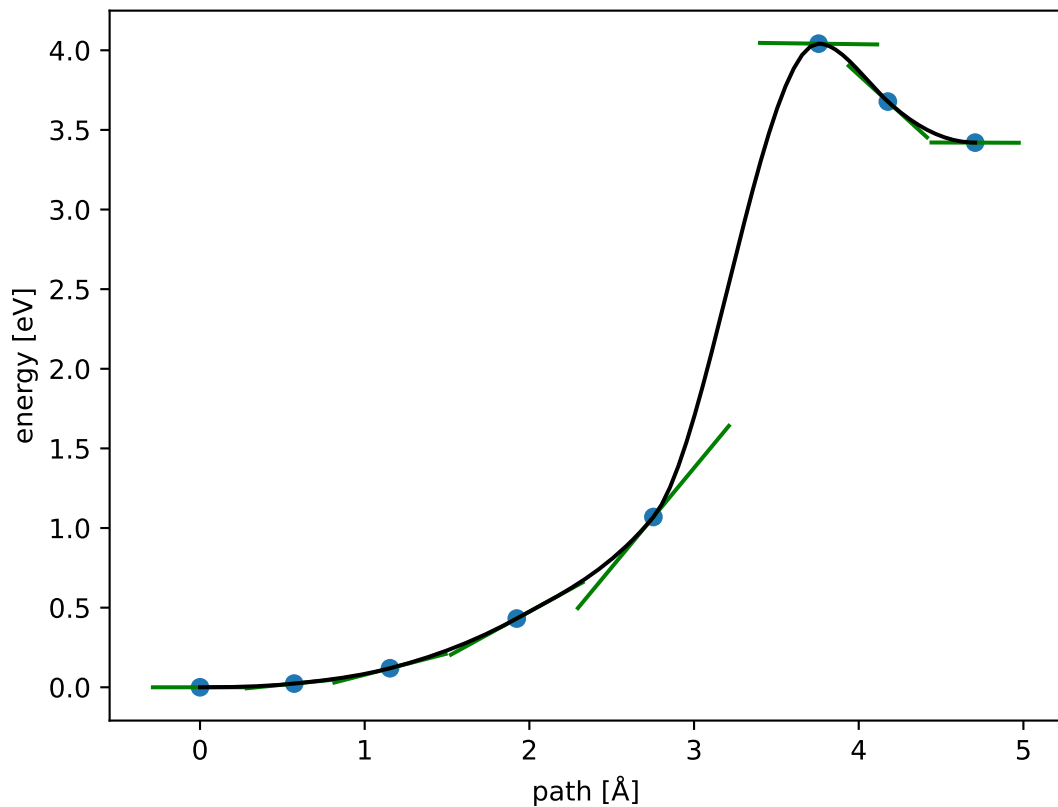
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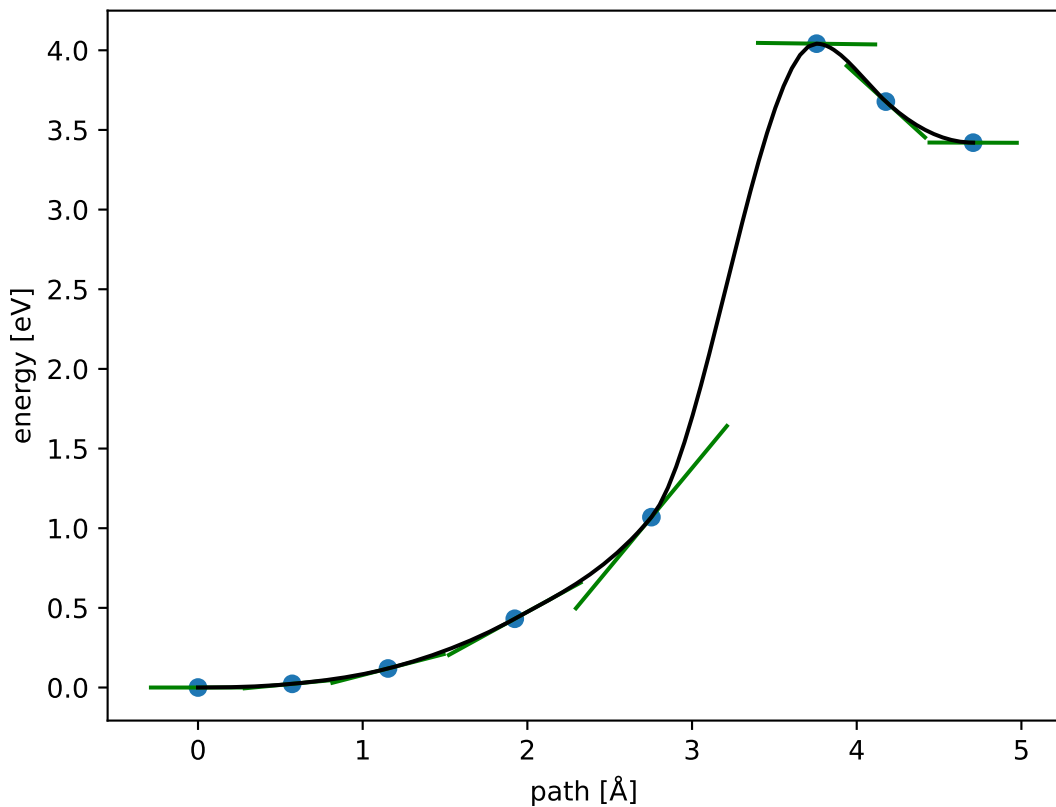
$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.621 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



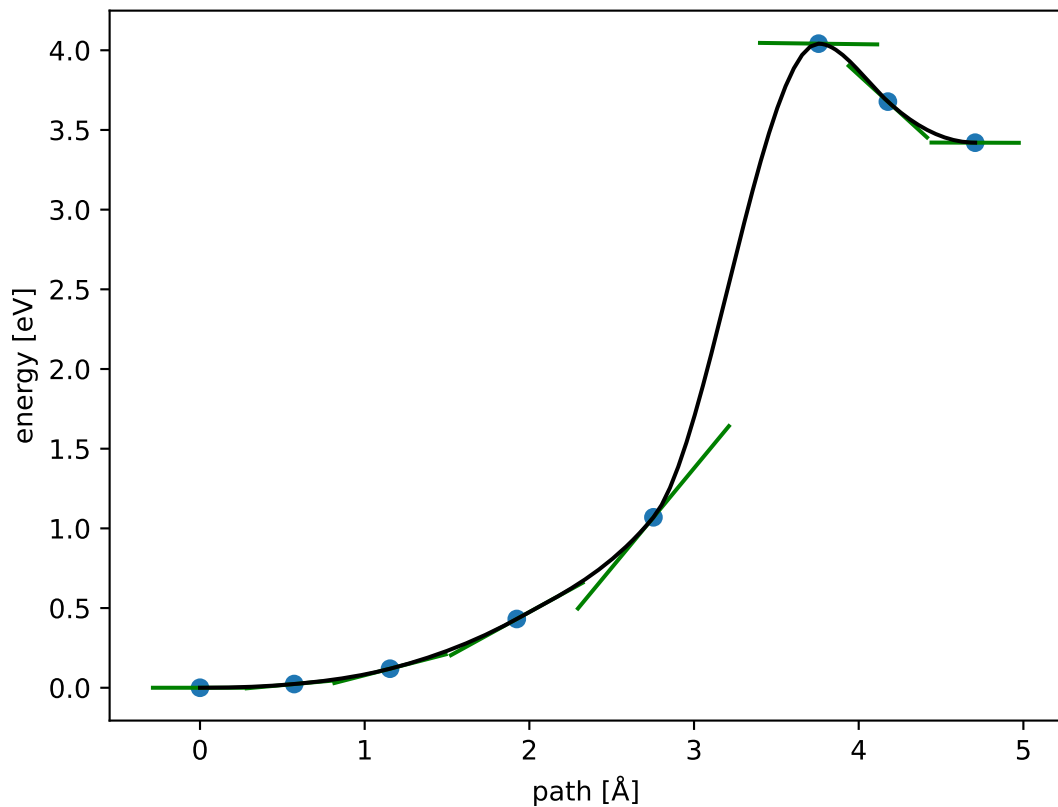
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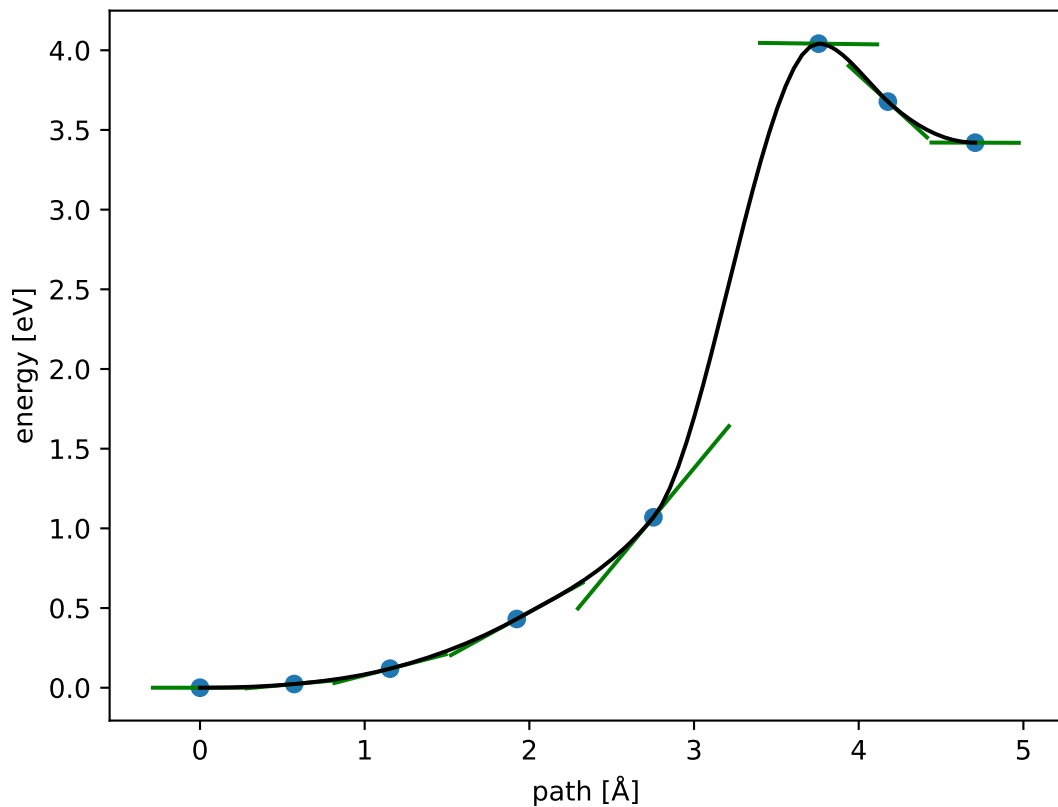
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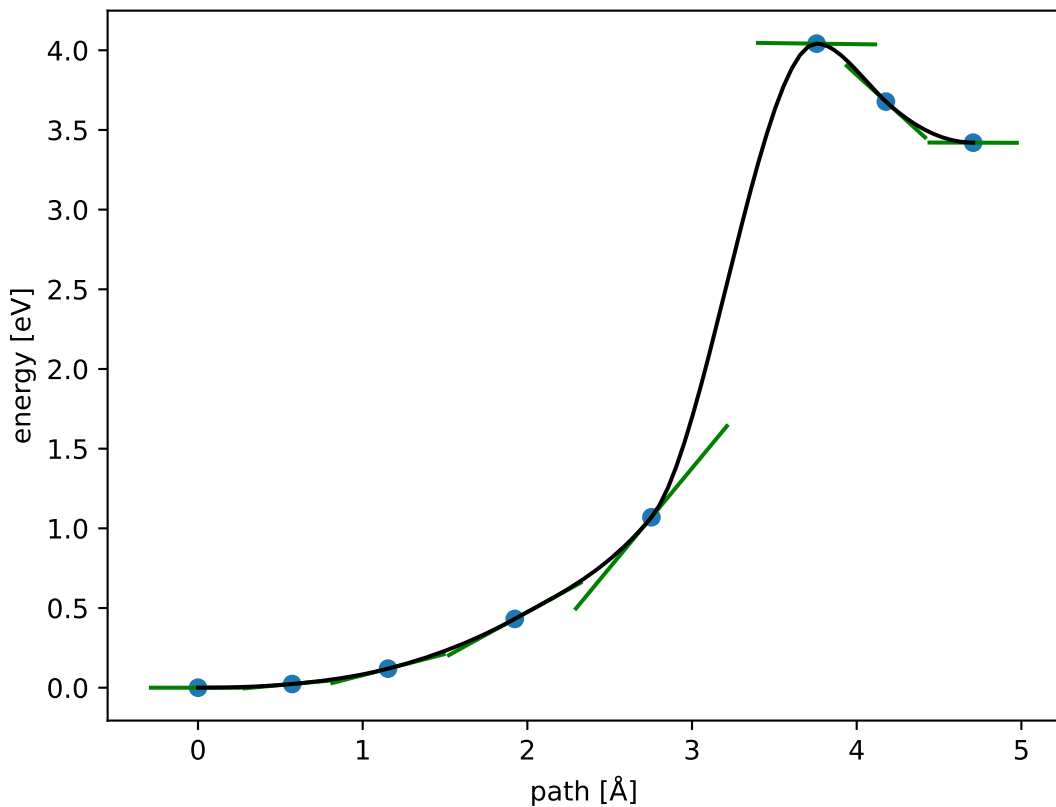
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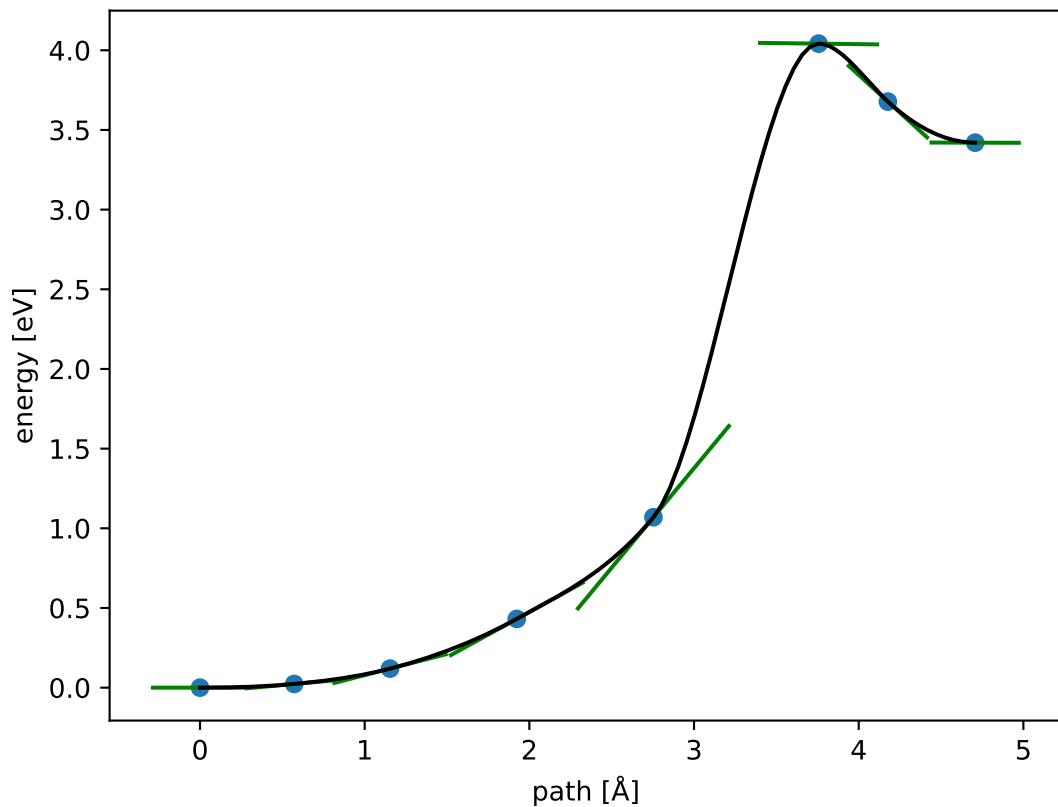
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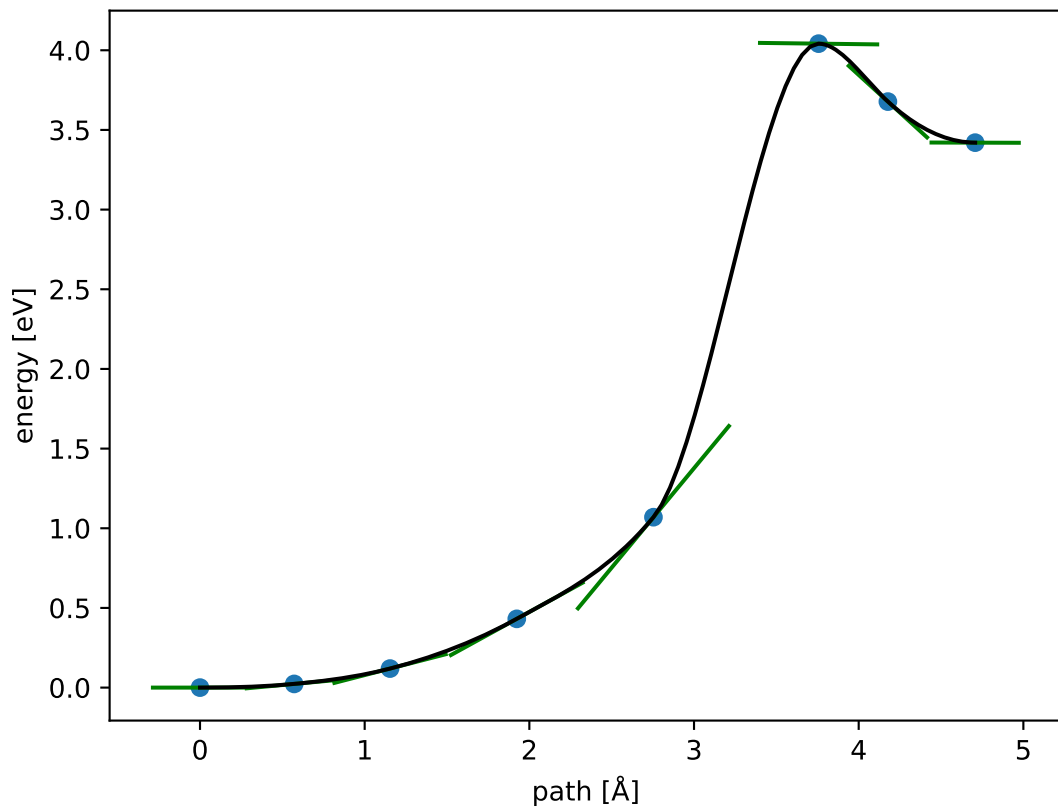


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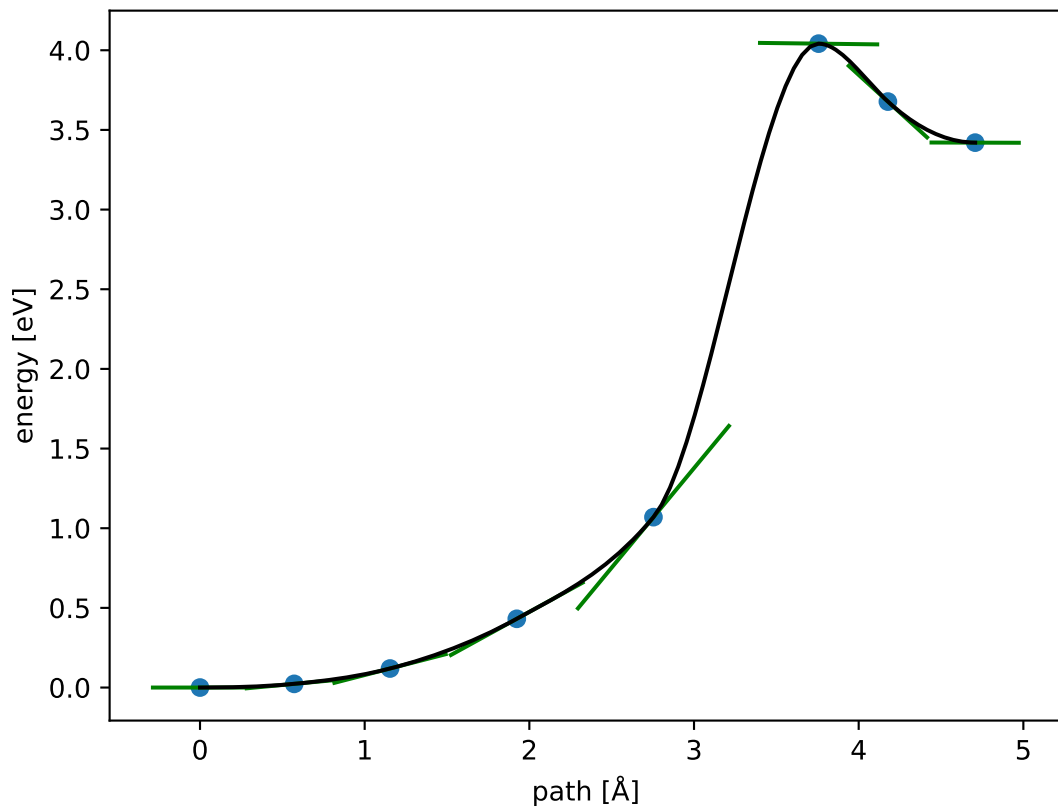




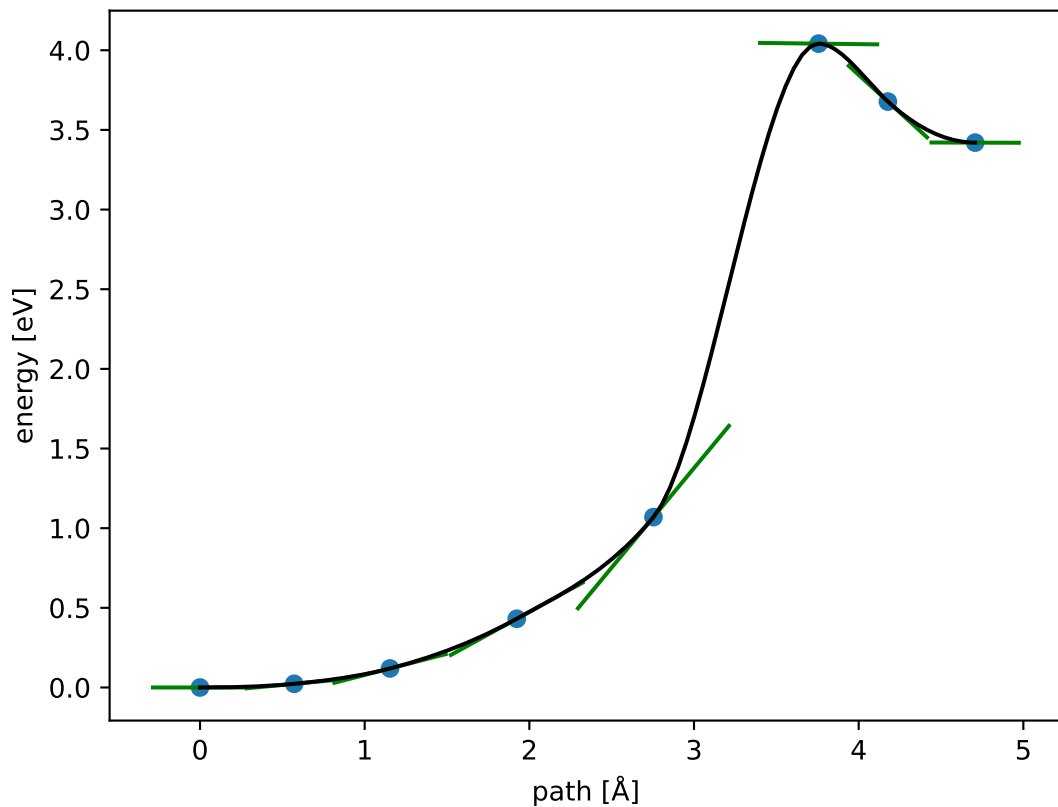
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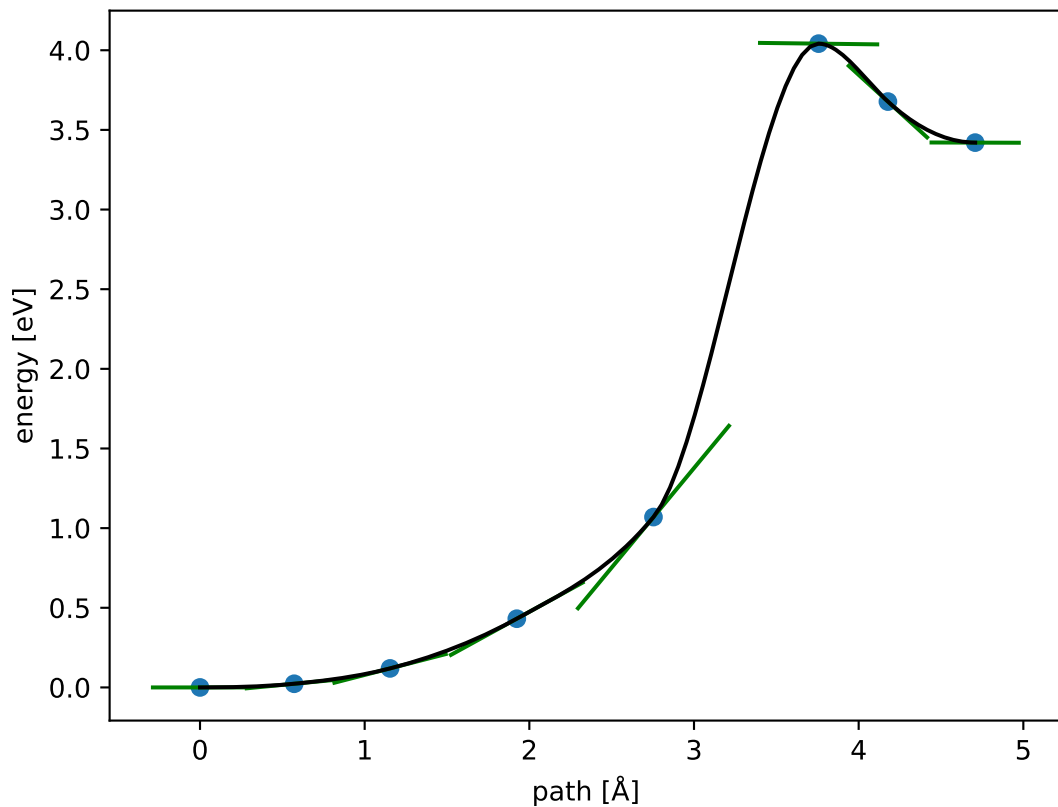
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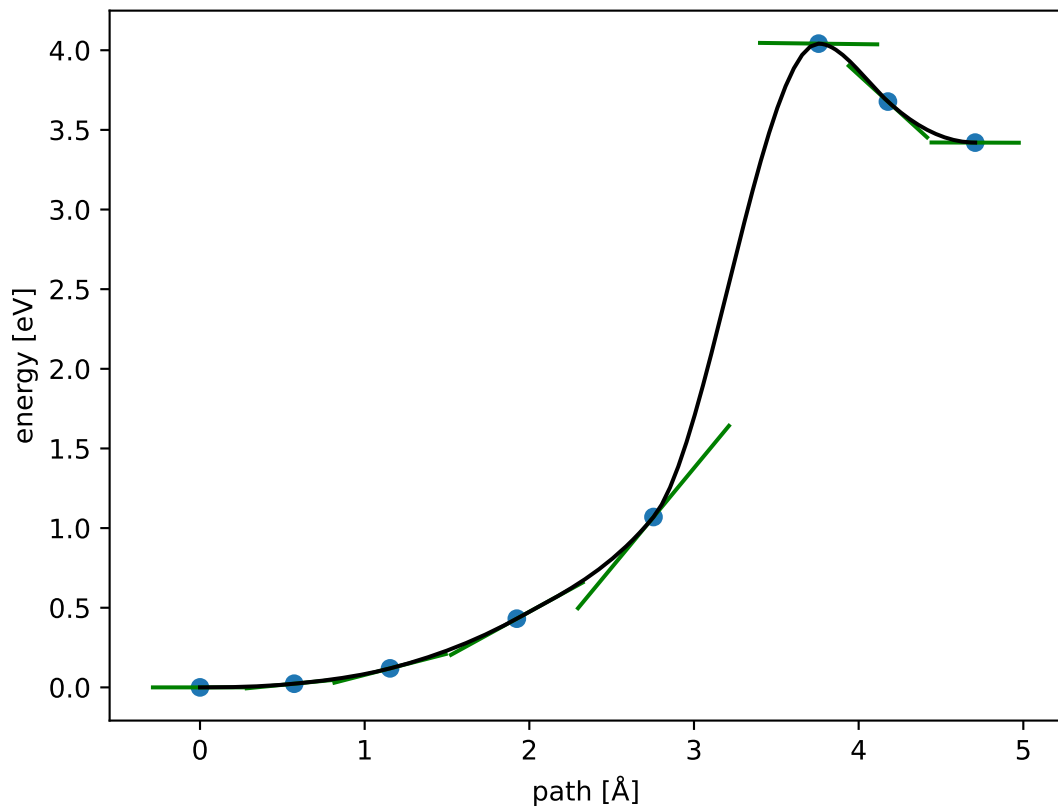
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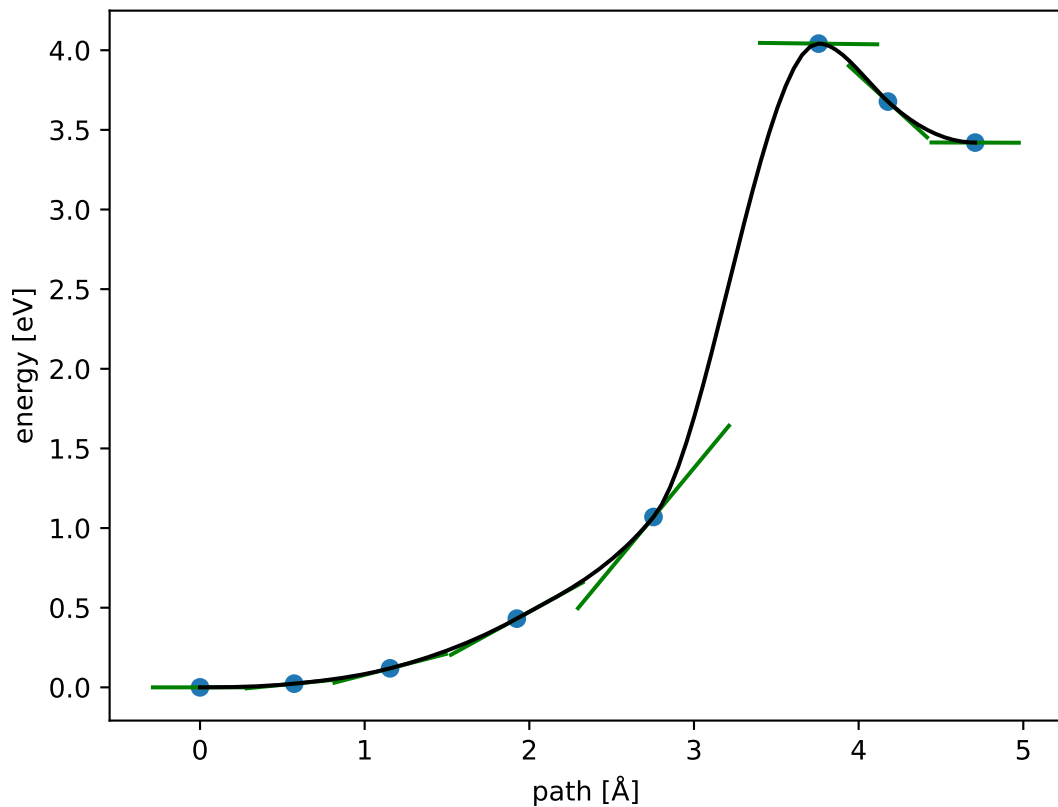
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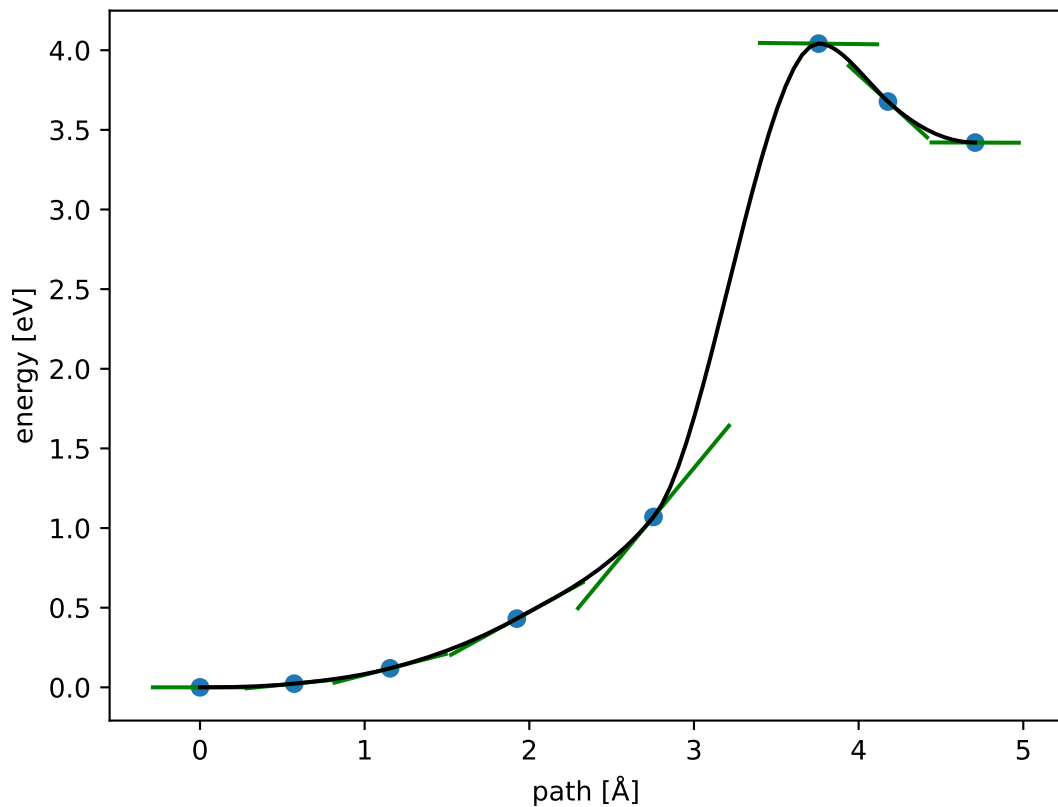
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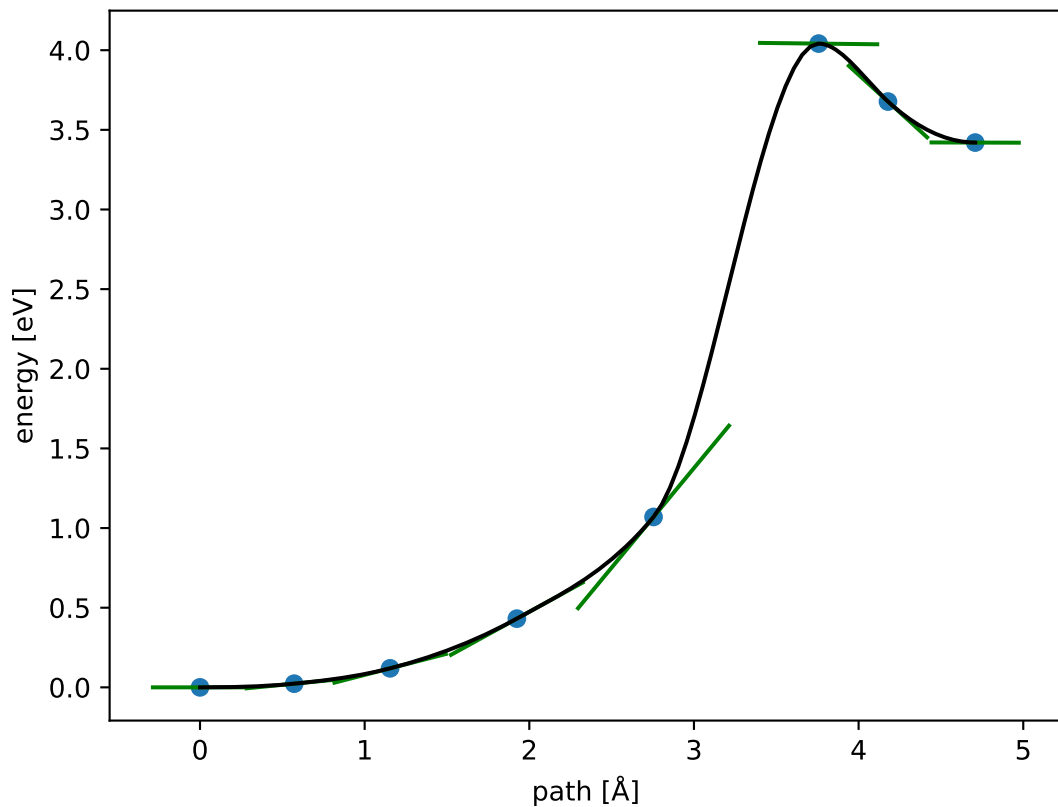
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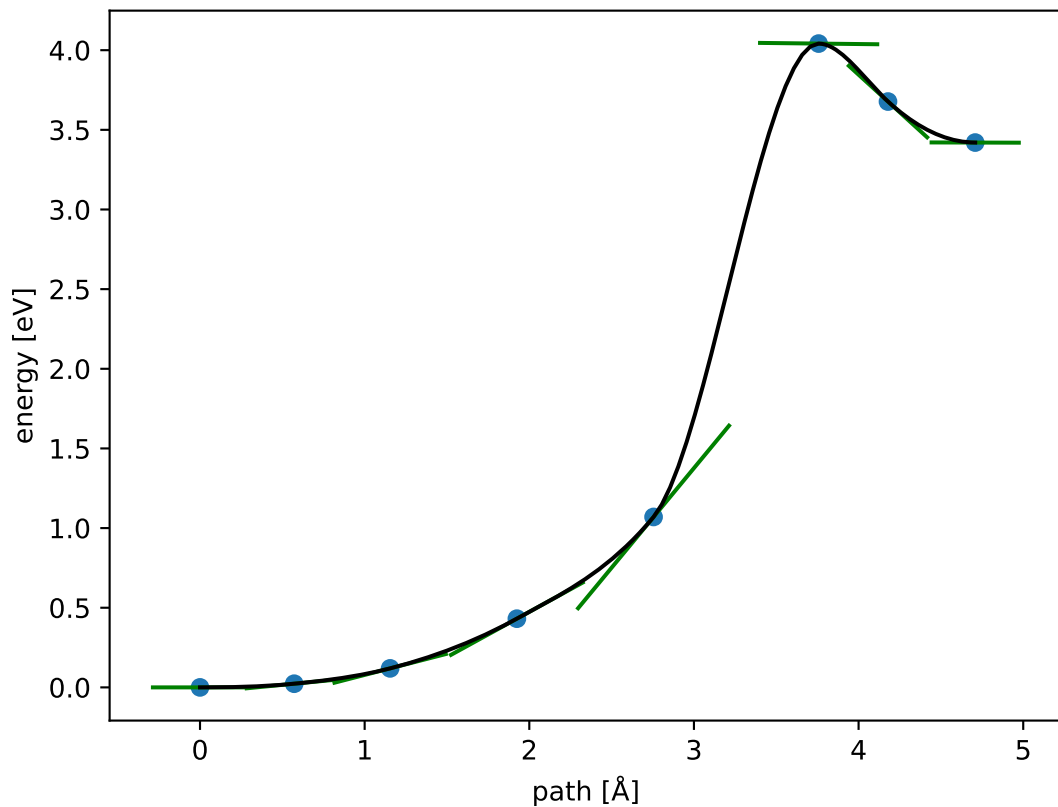


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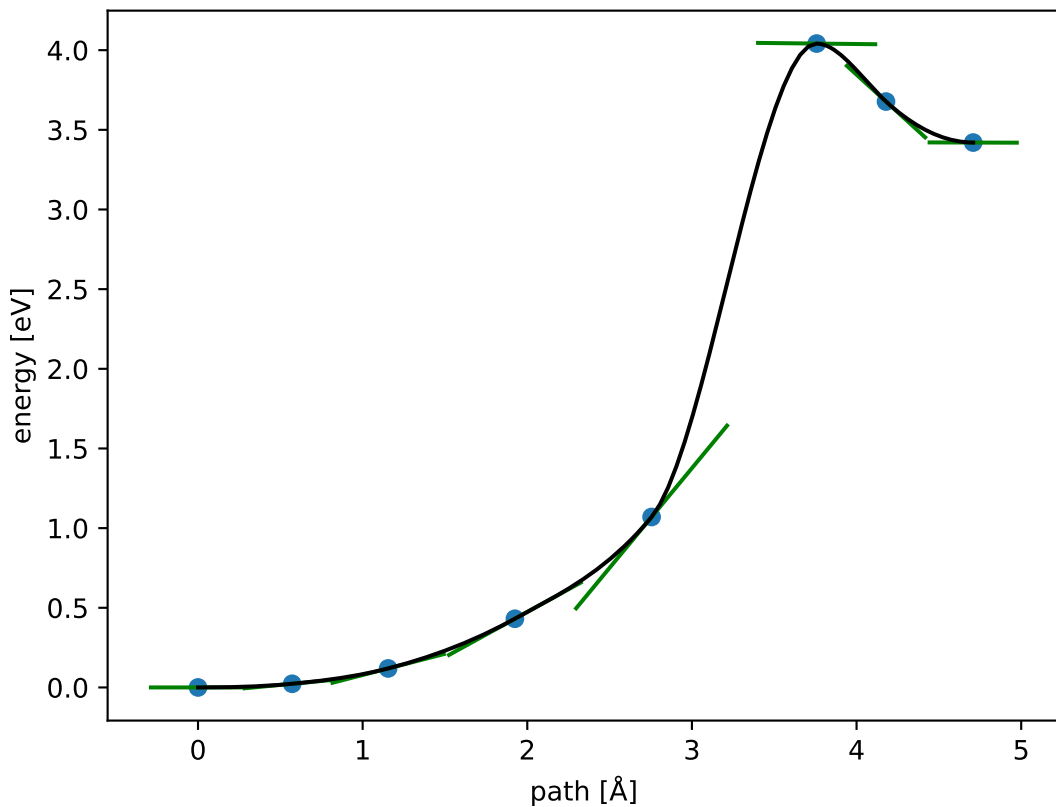




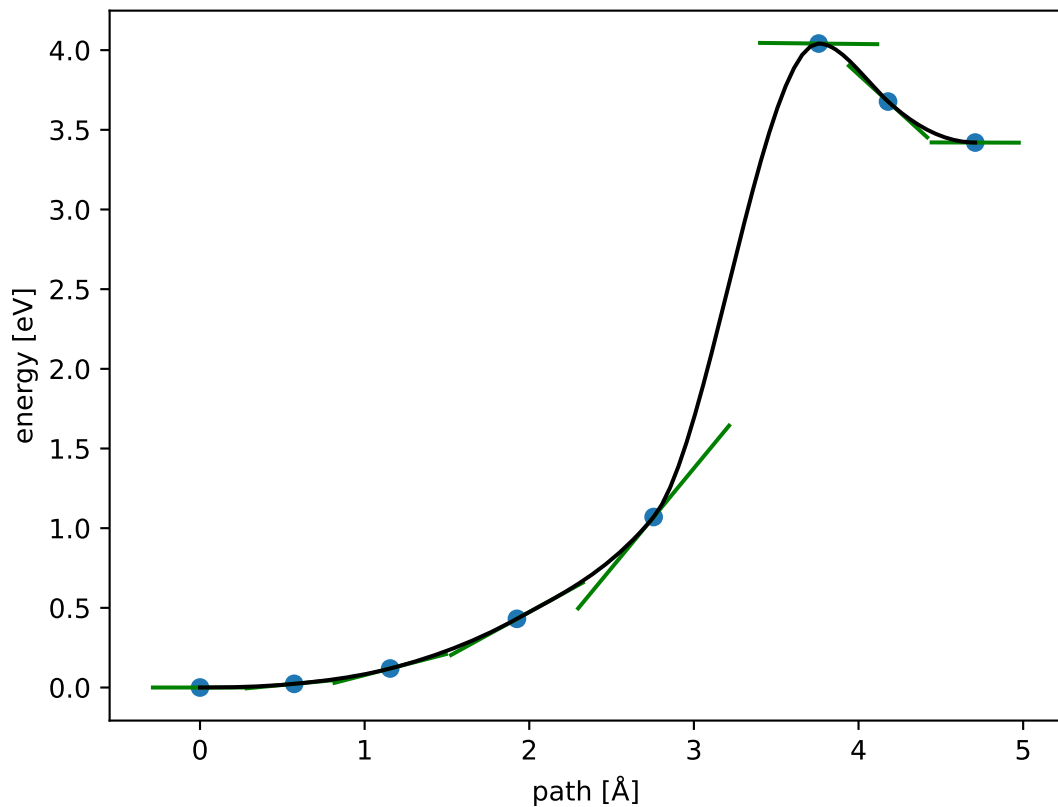
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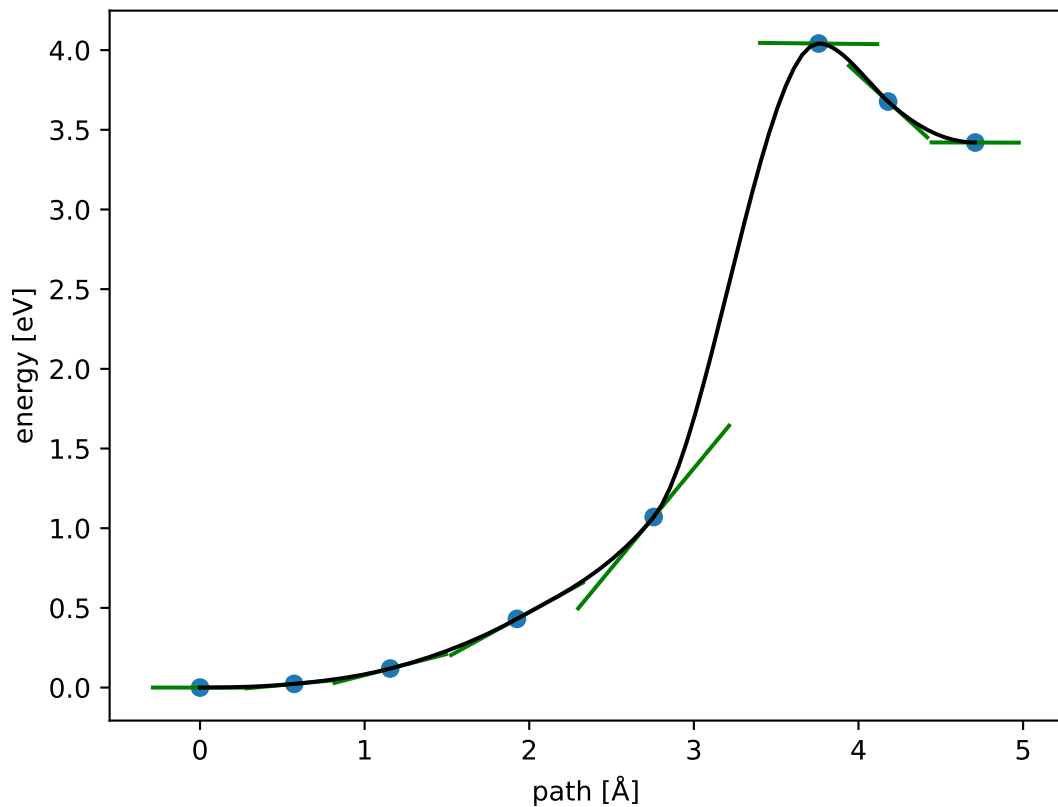
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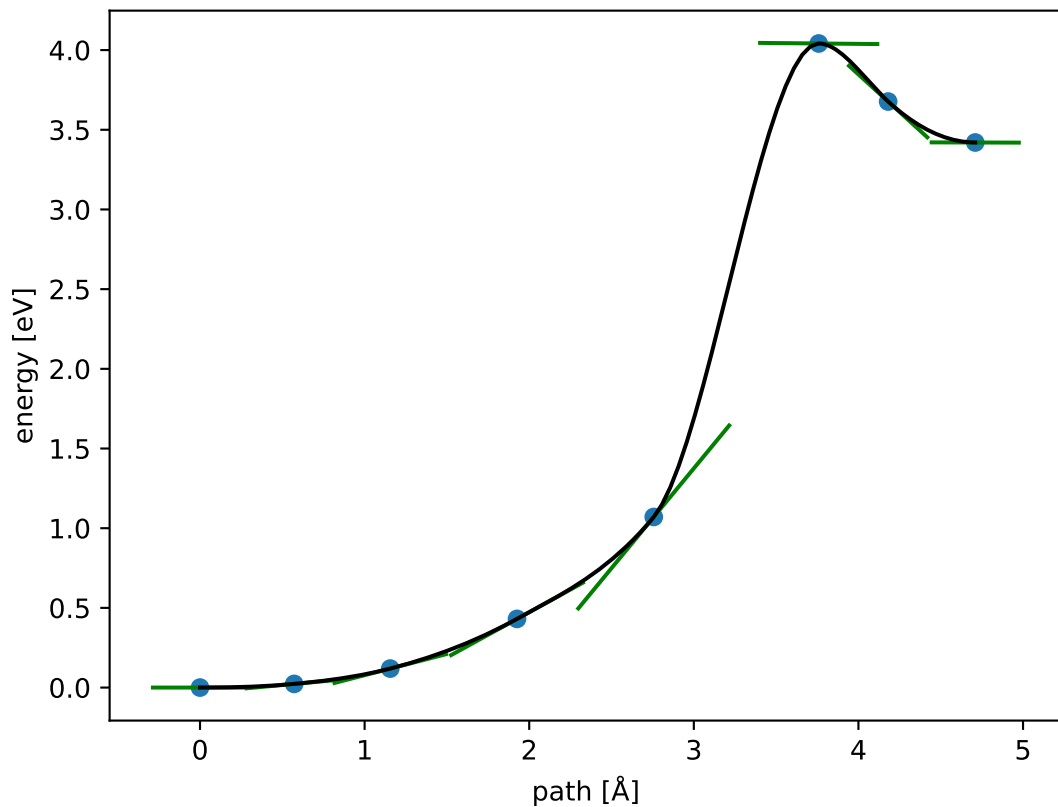
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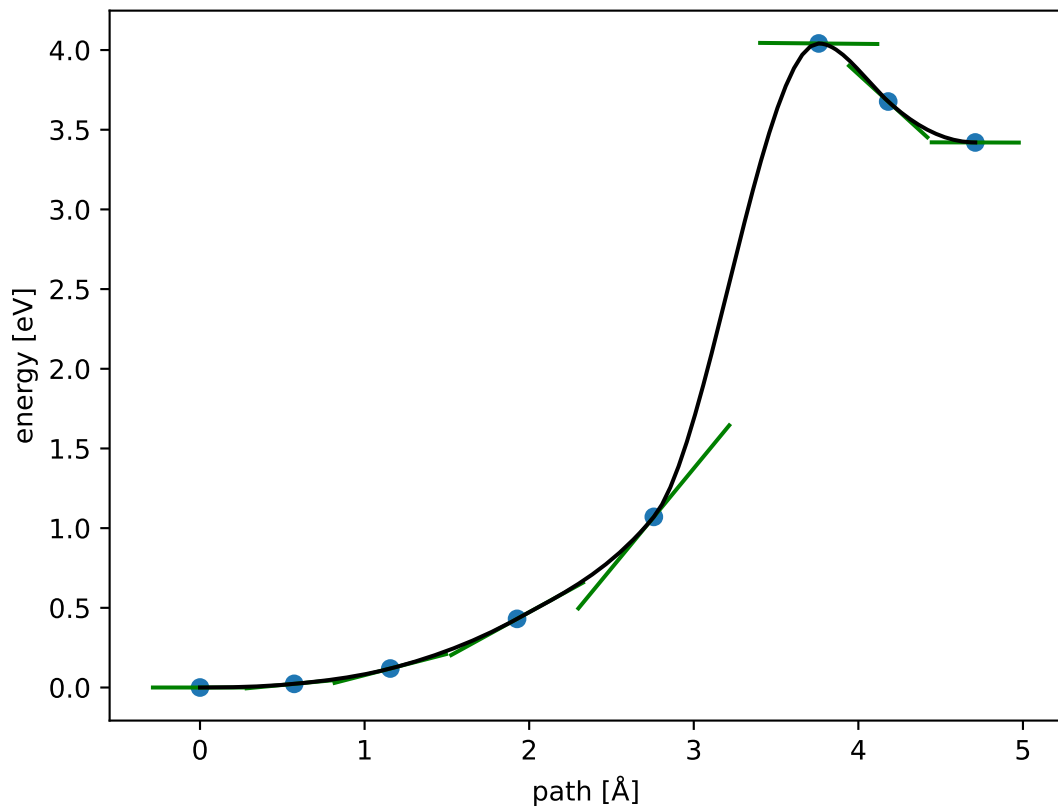
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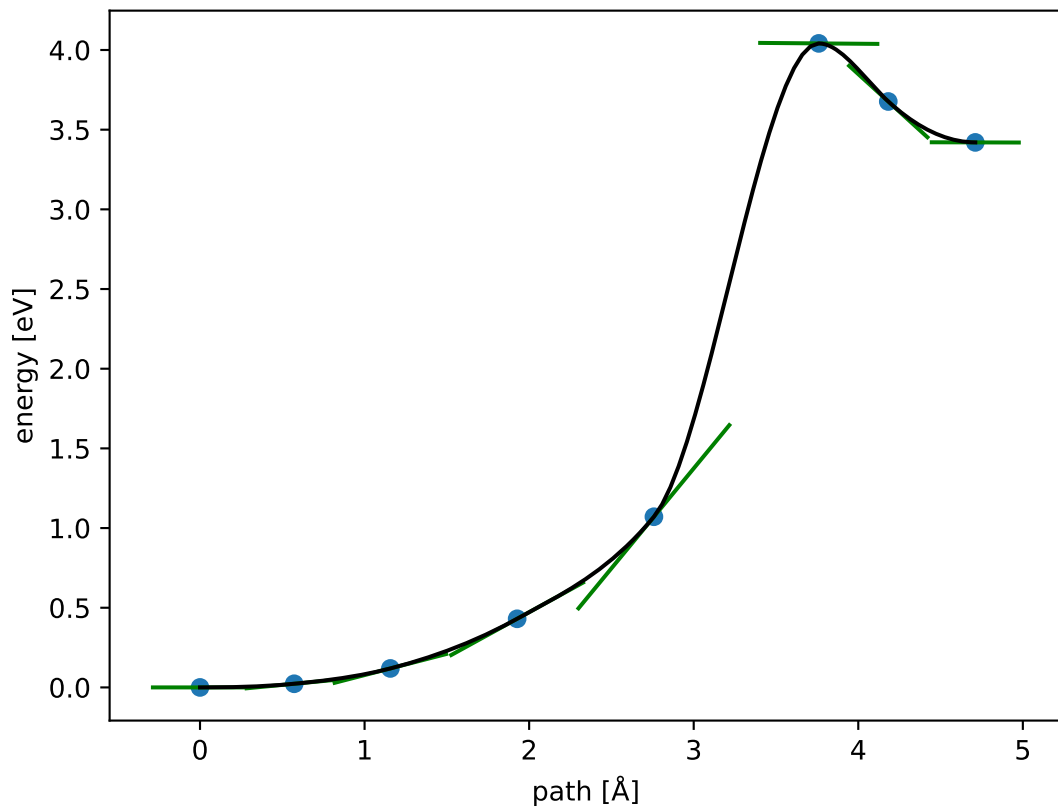
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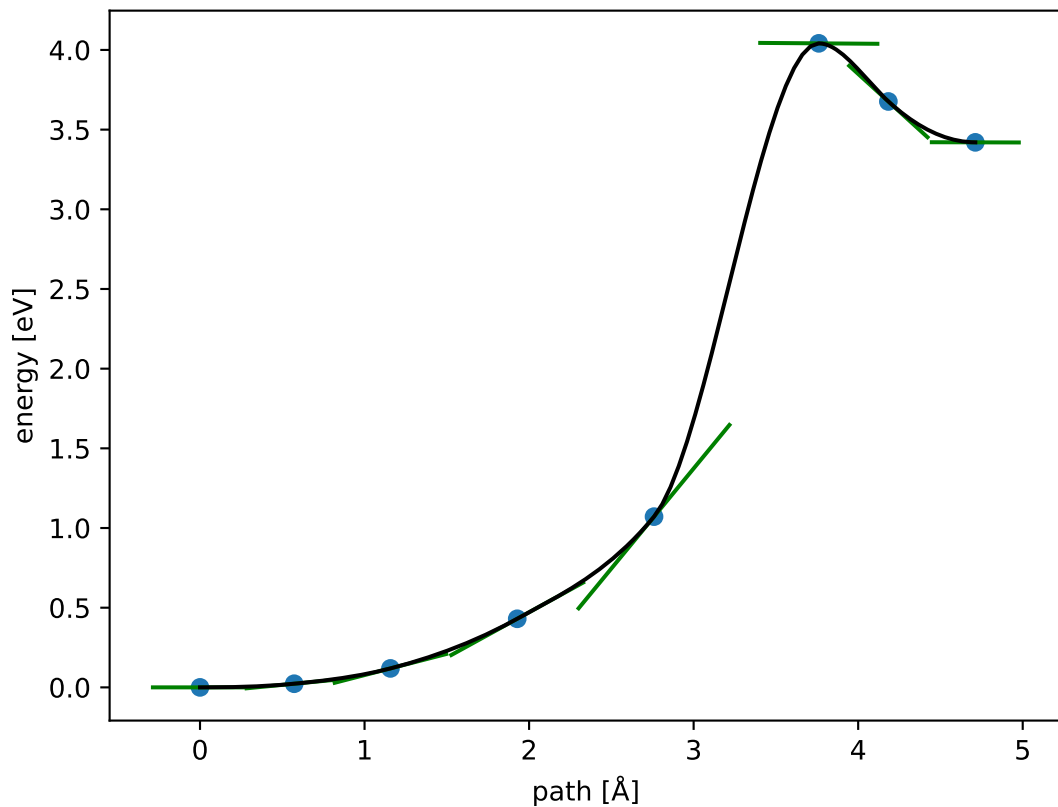
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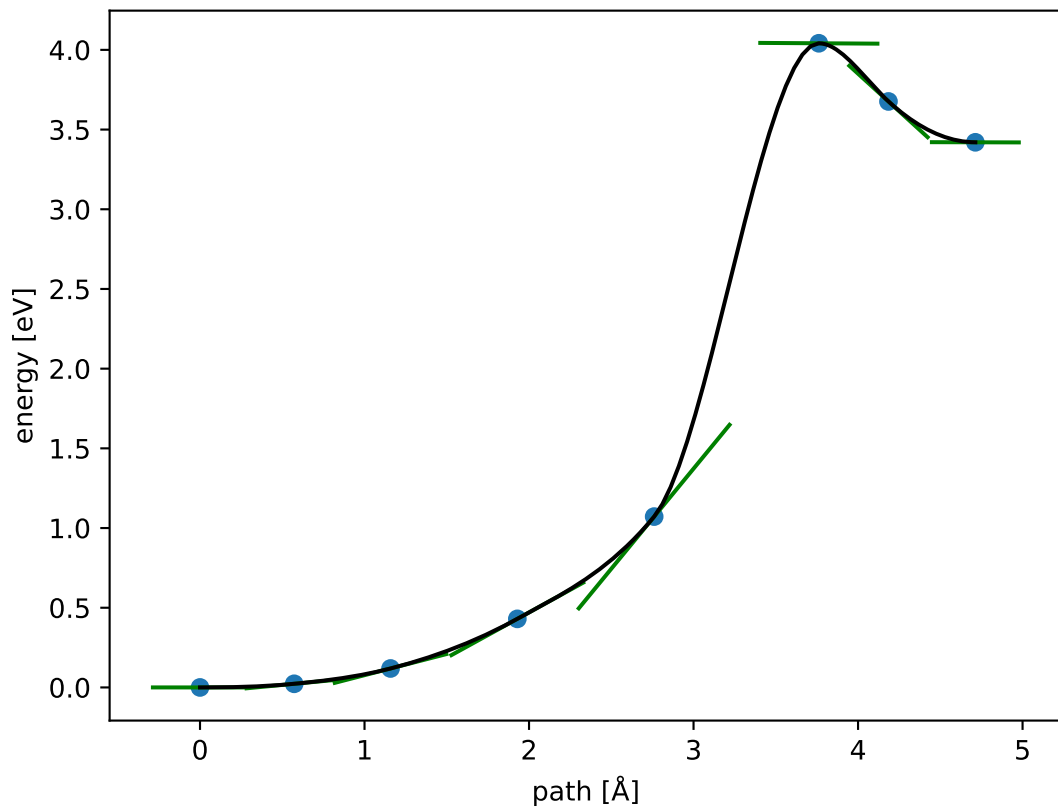


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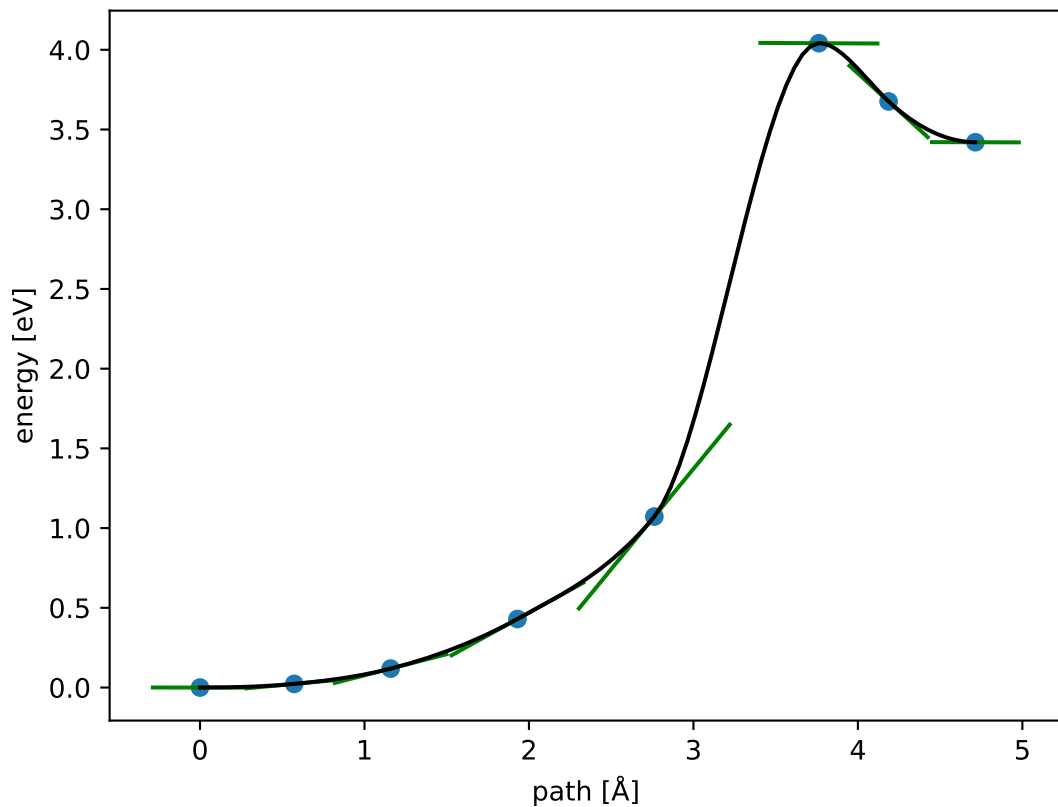




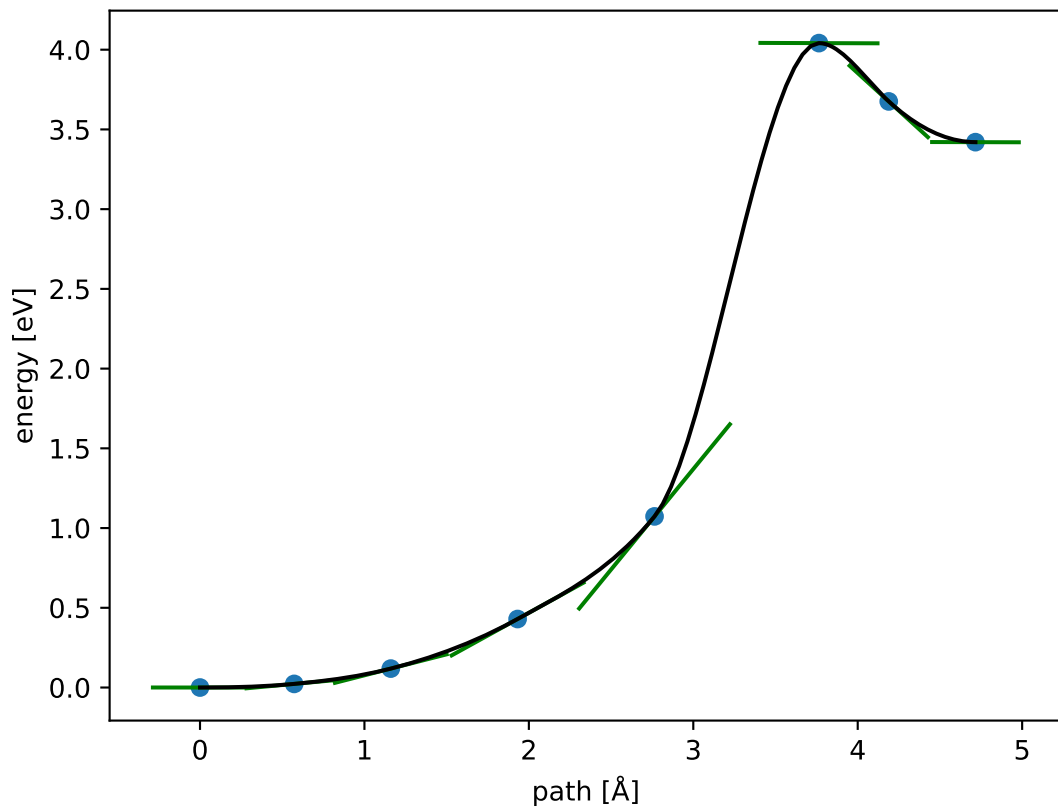
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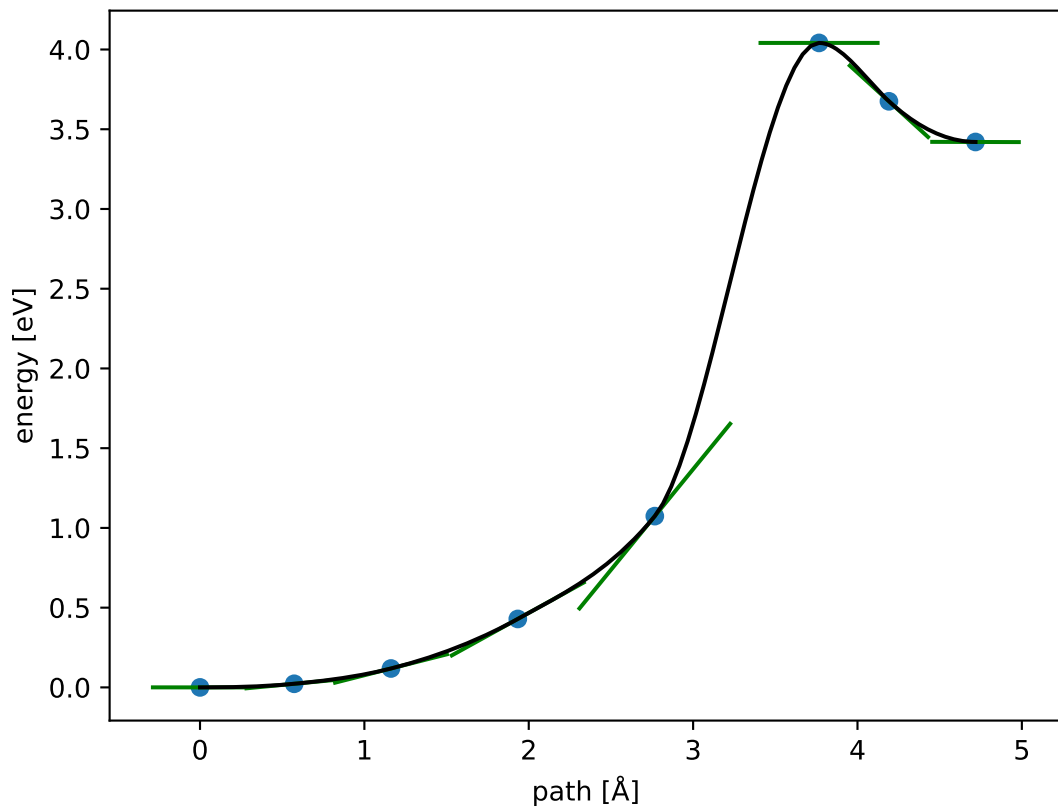
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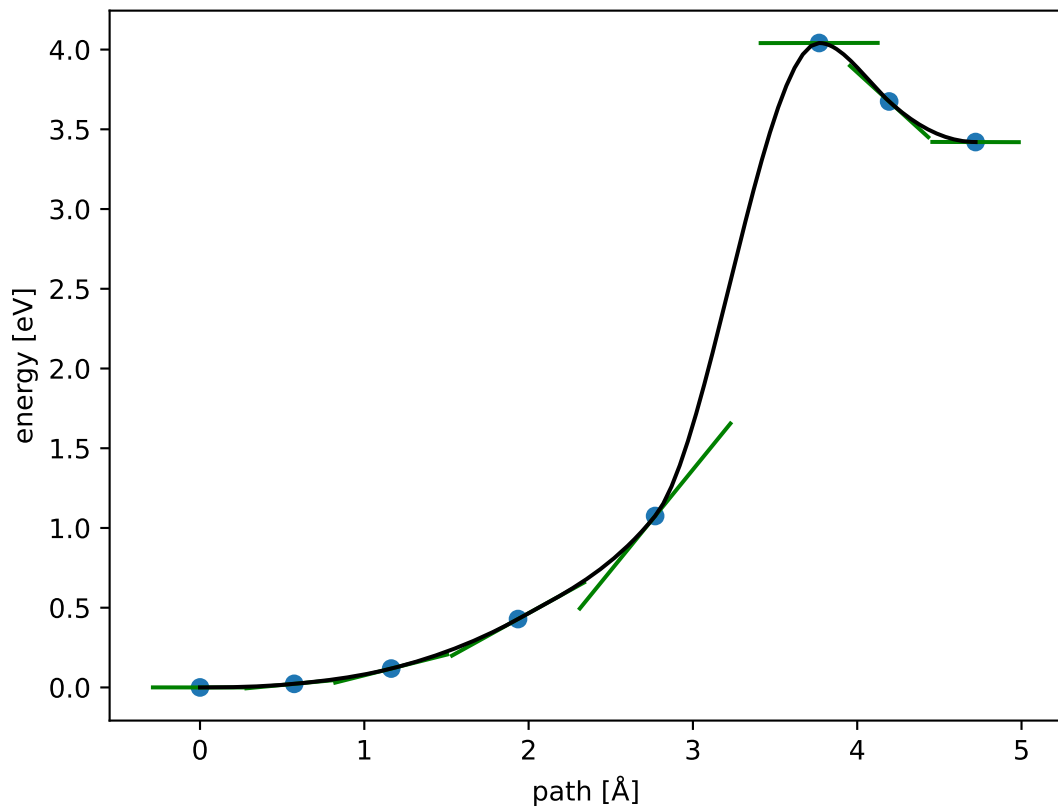
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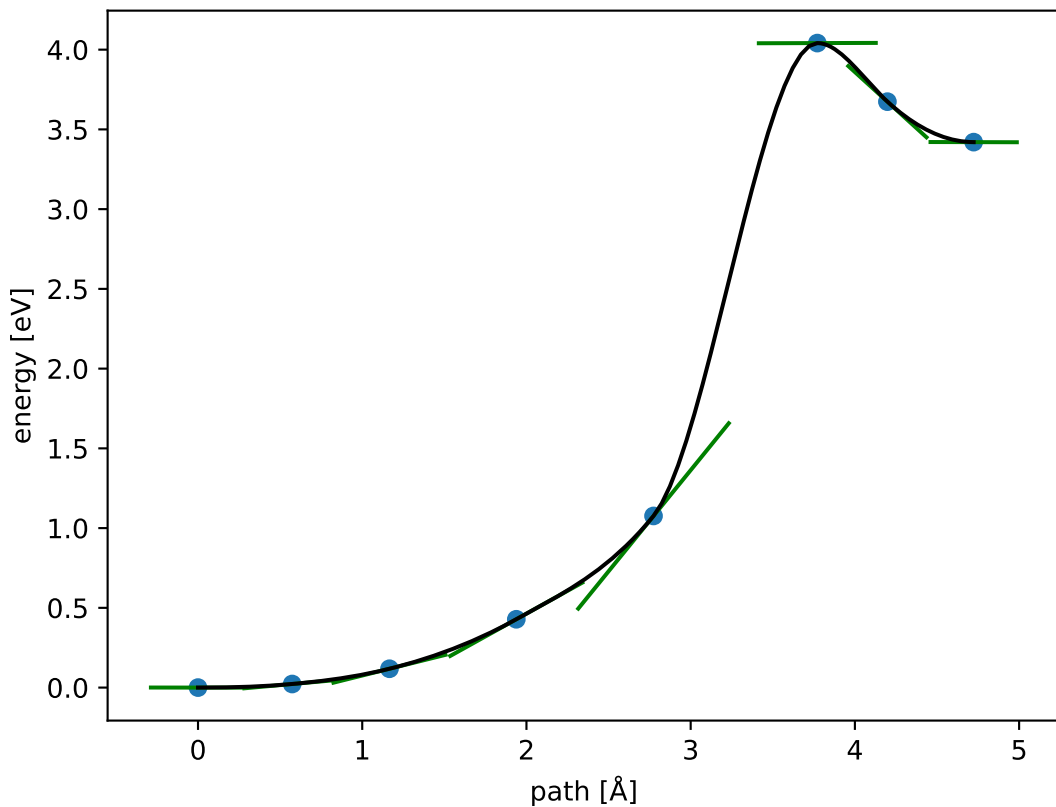
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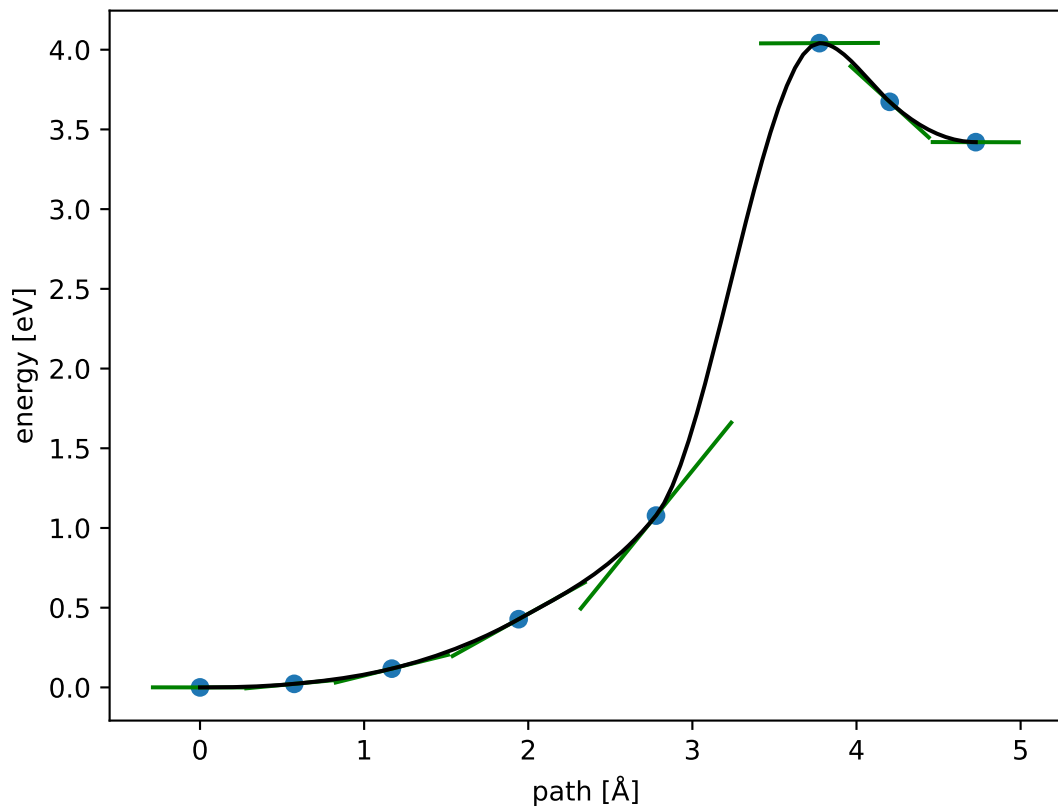
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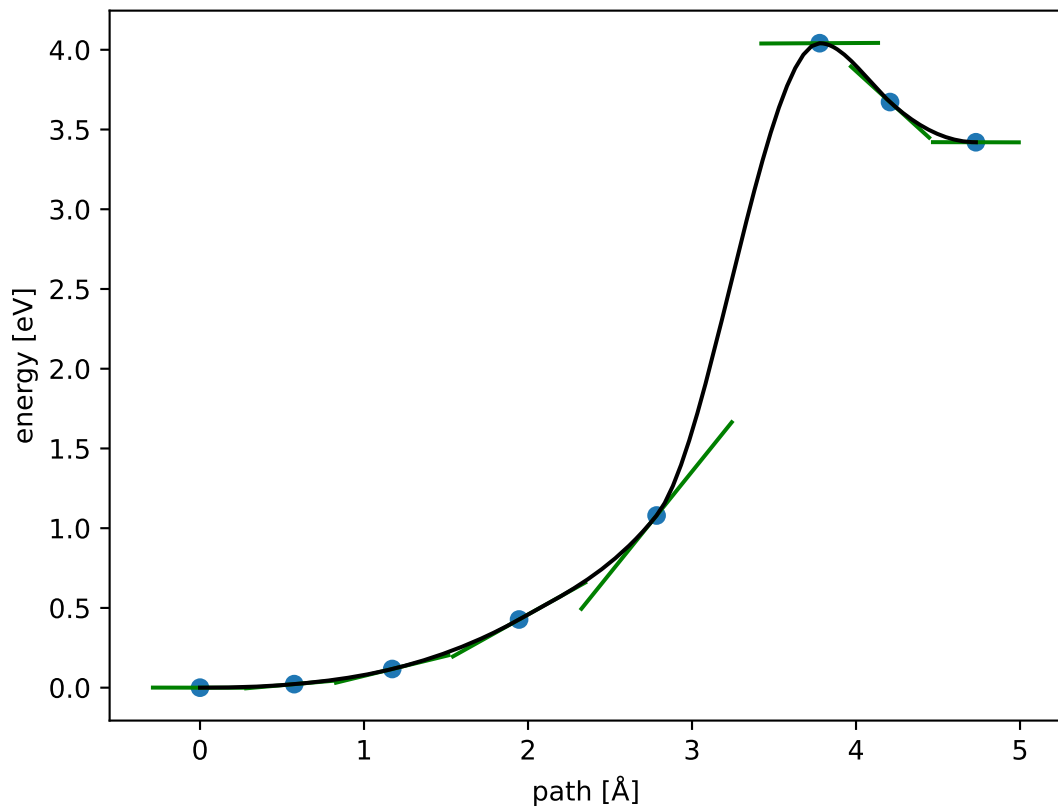
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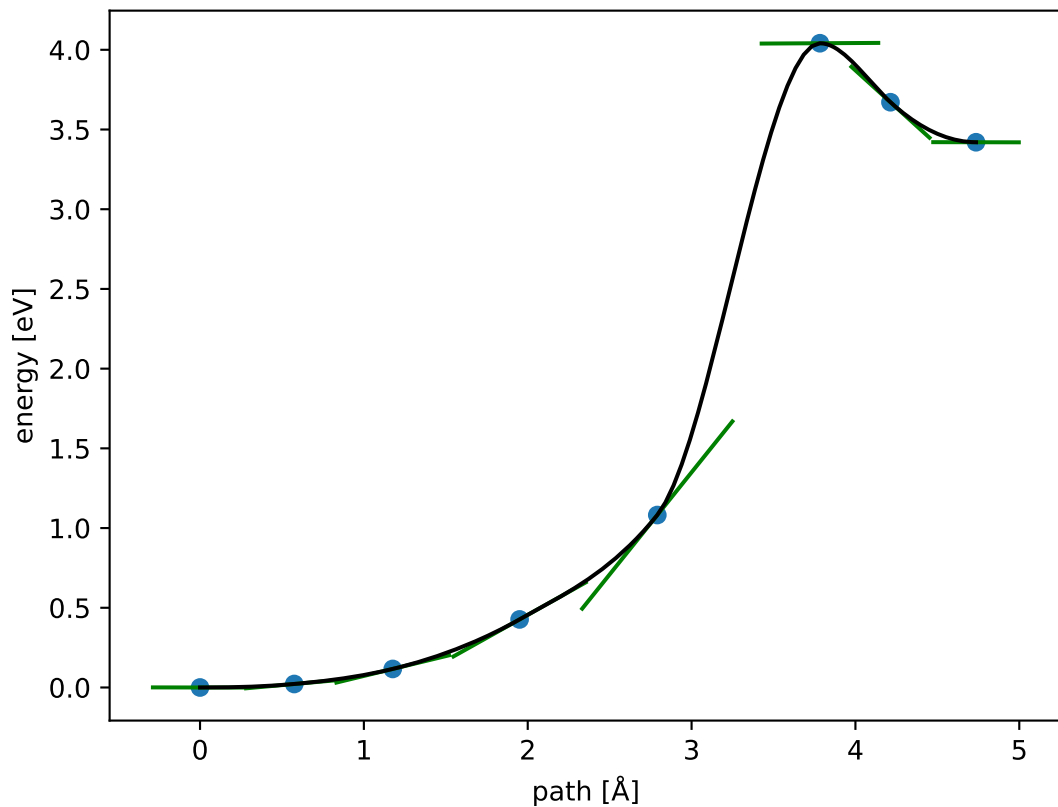


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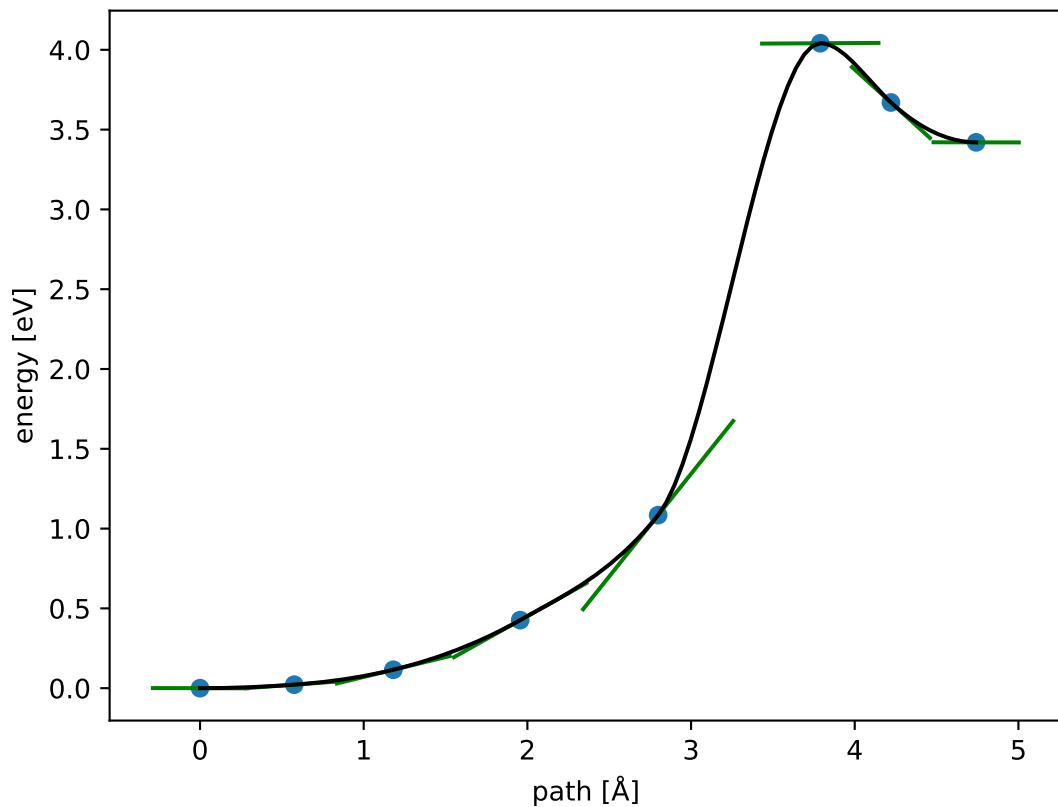




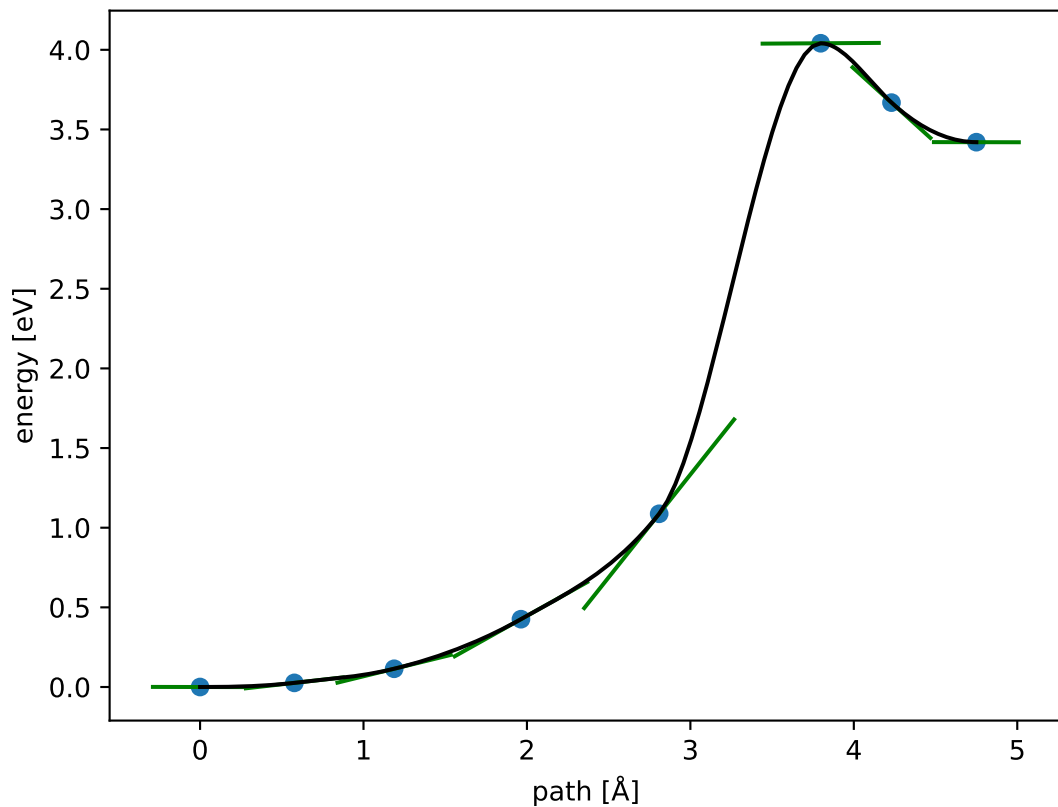
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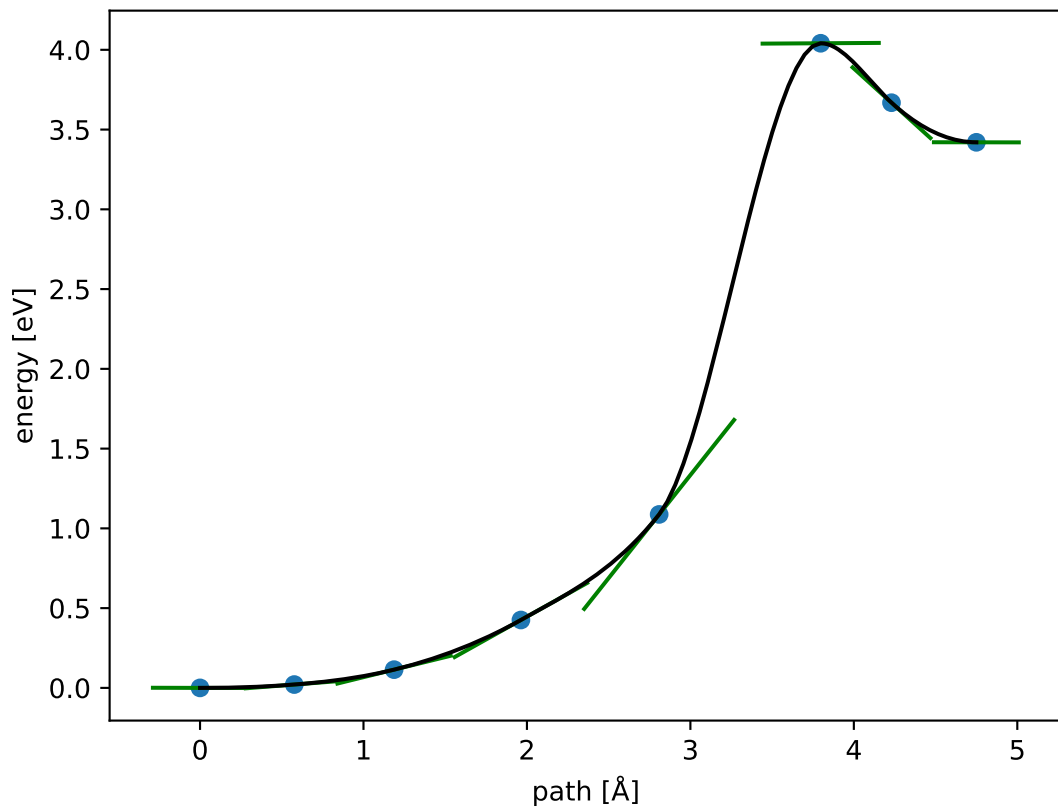
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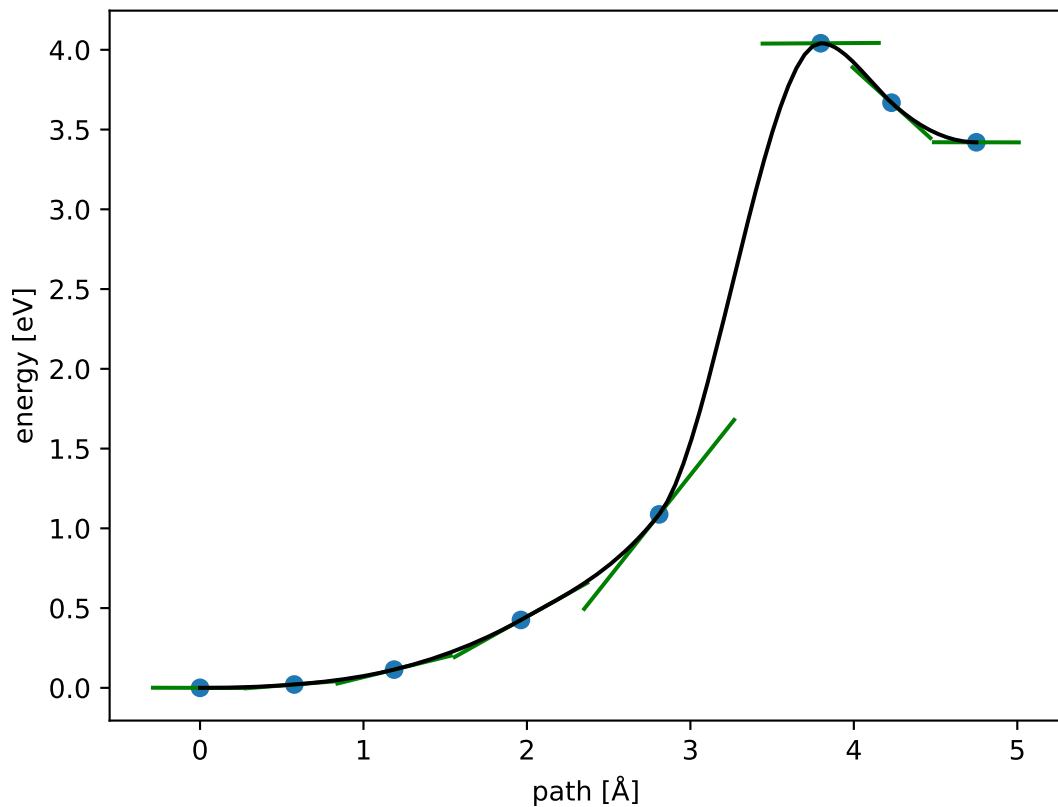
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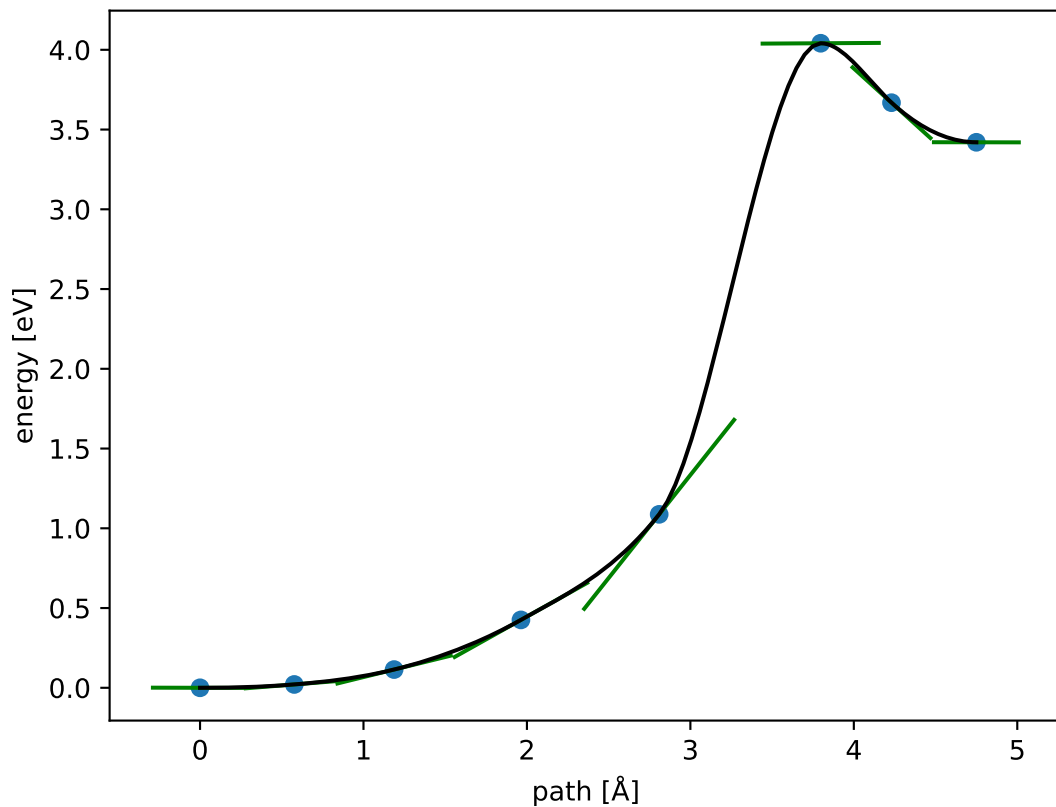
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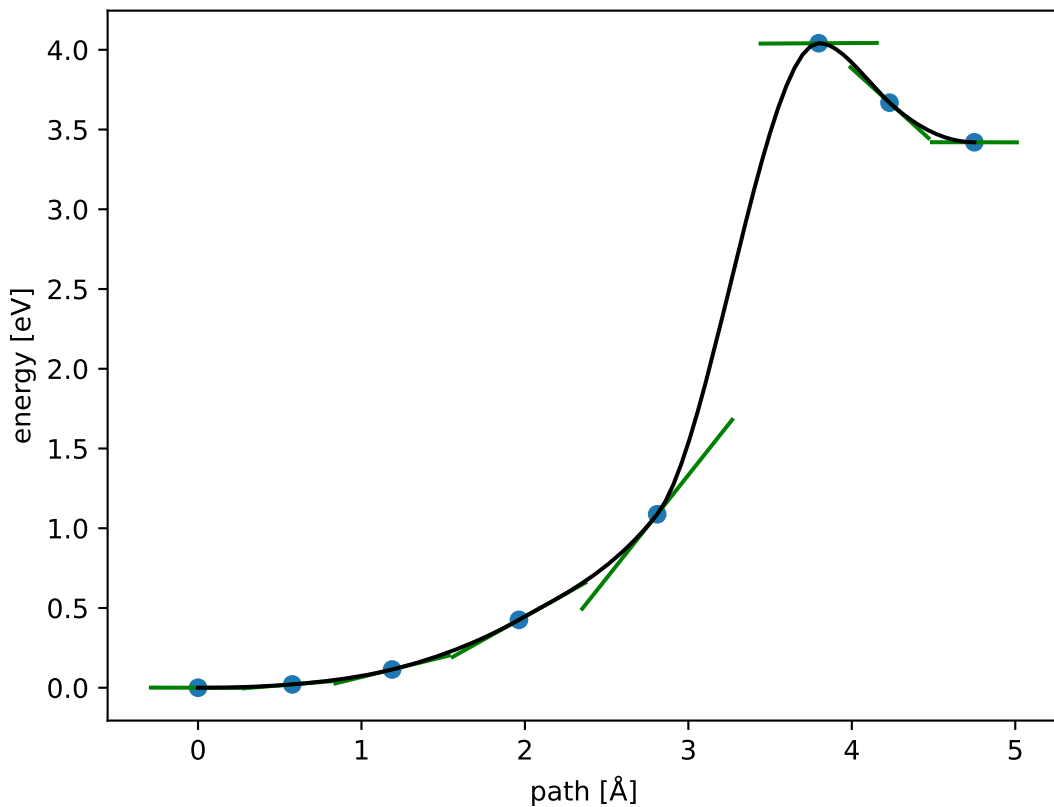
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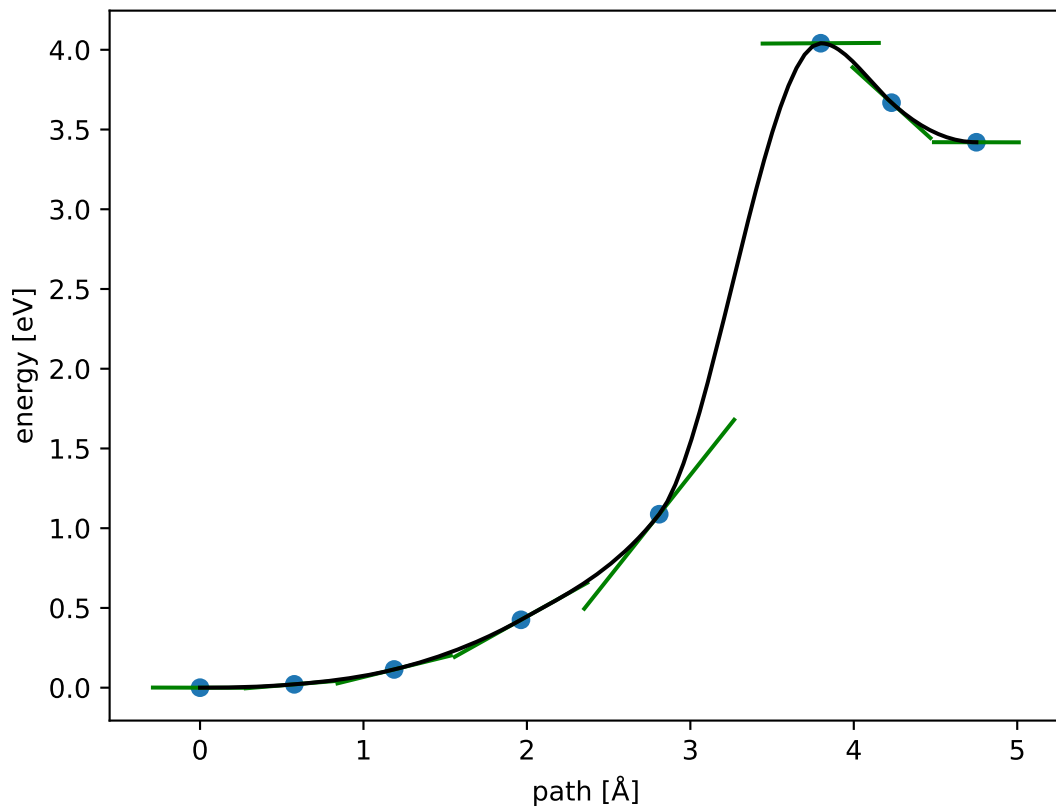
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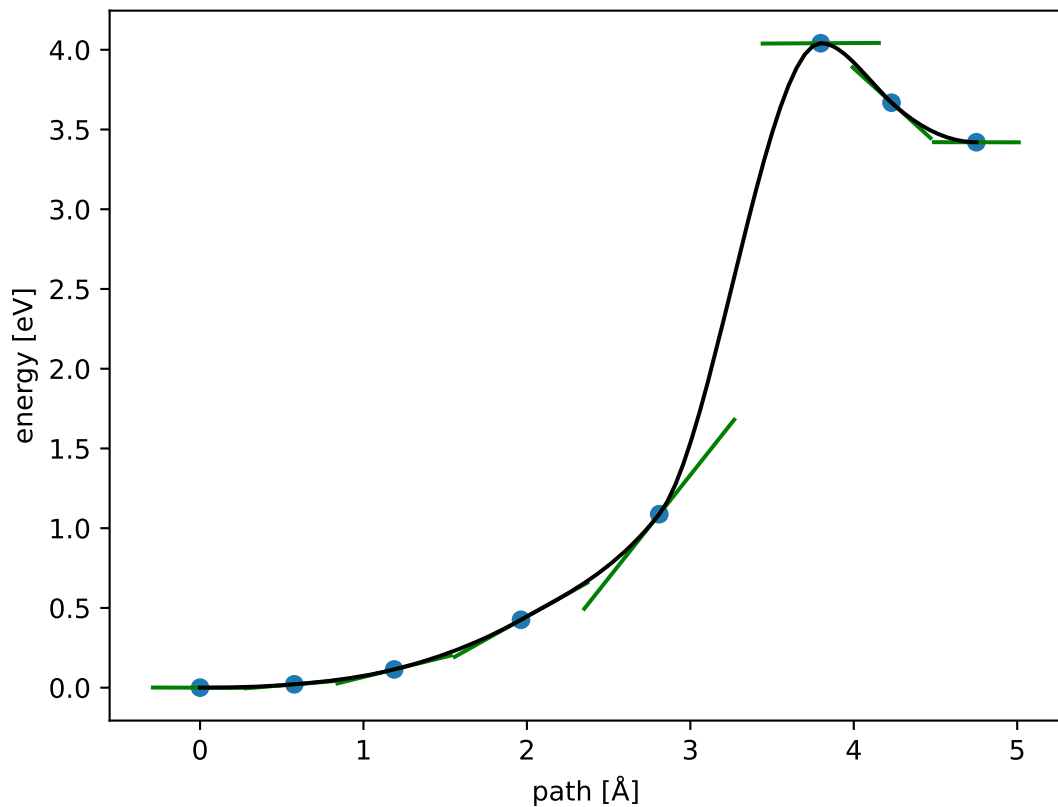


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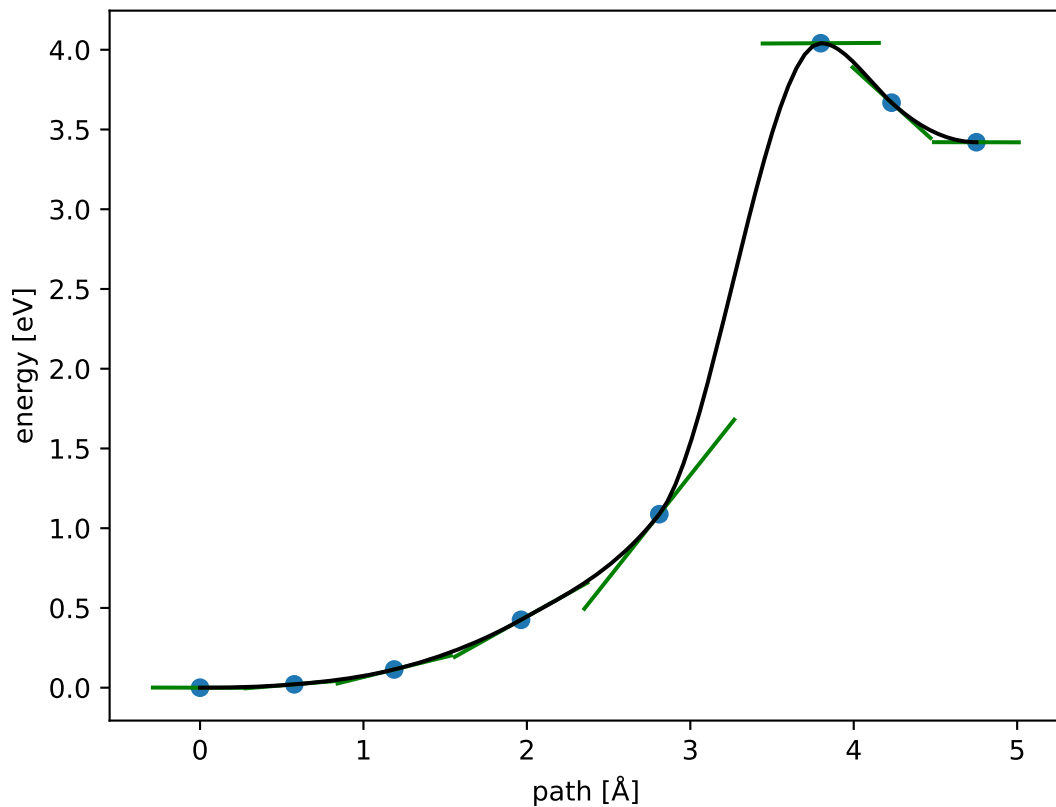




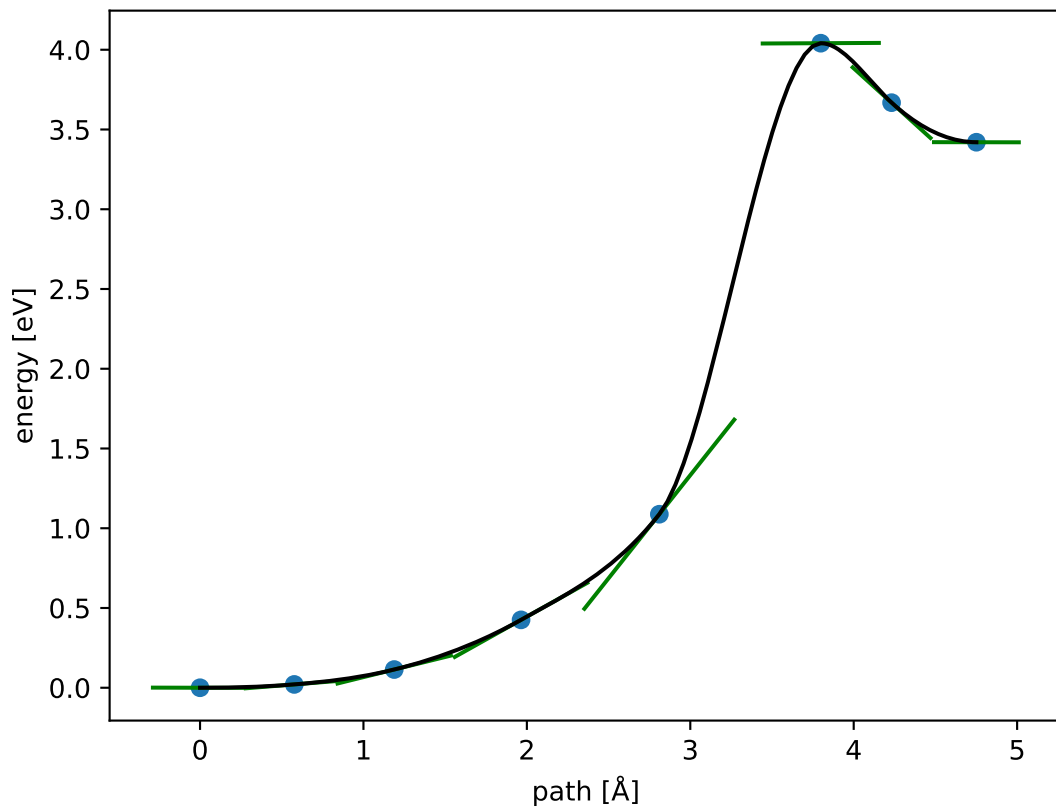
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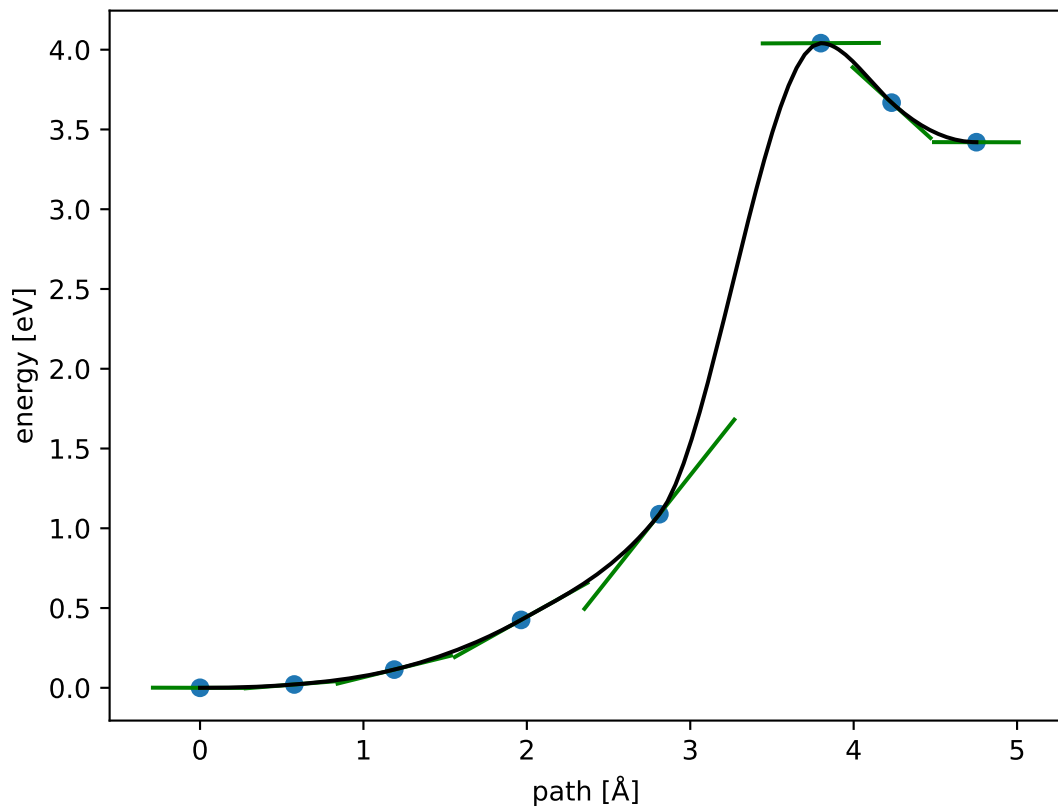
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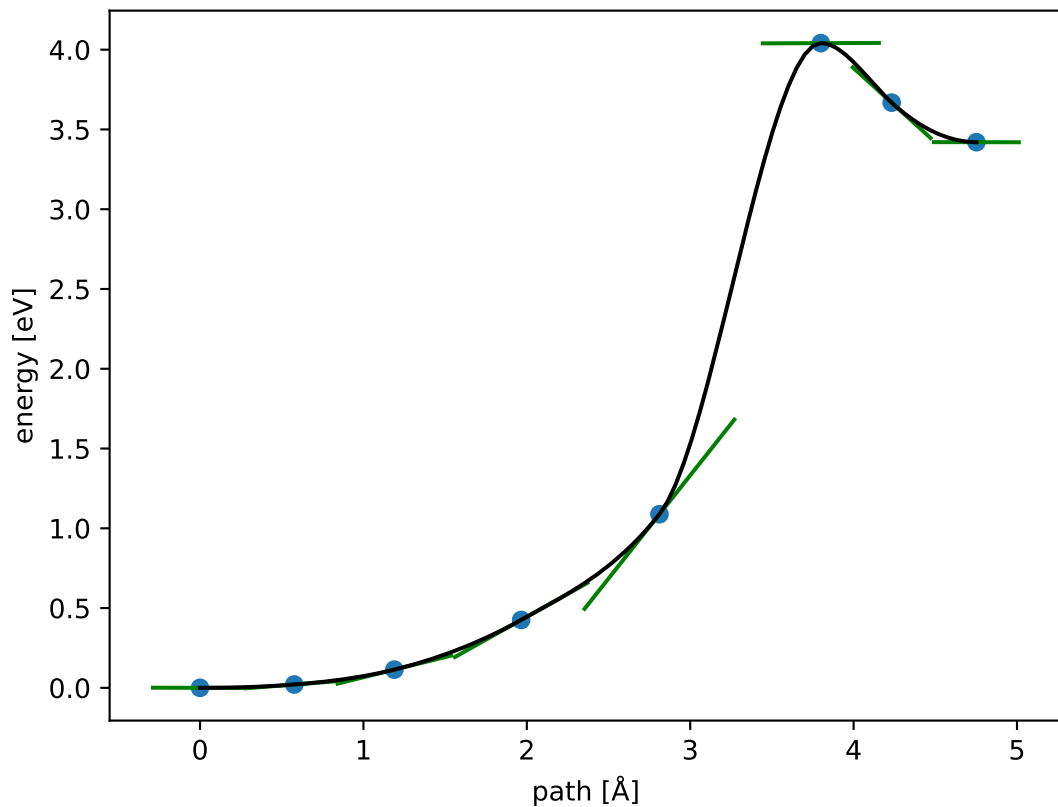
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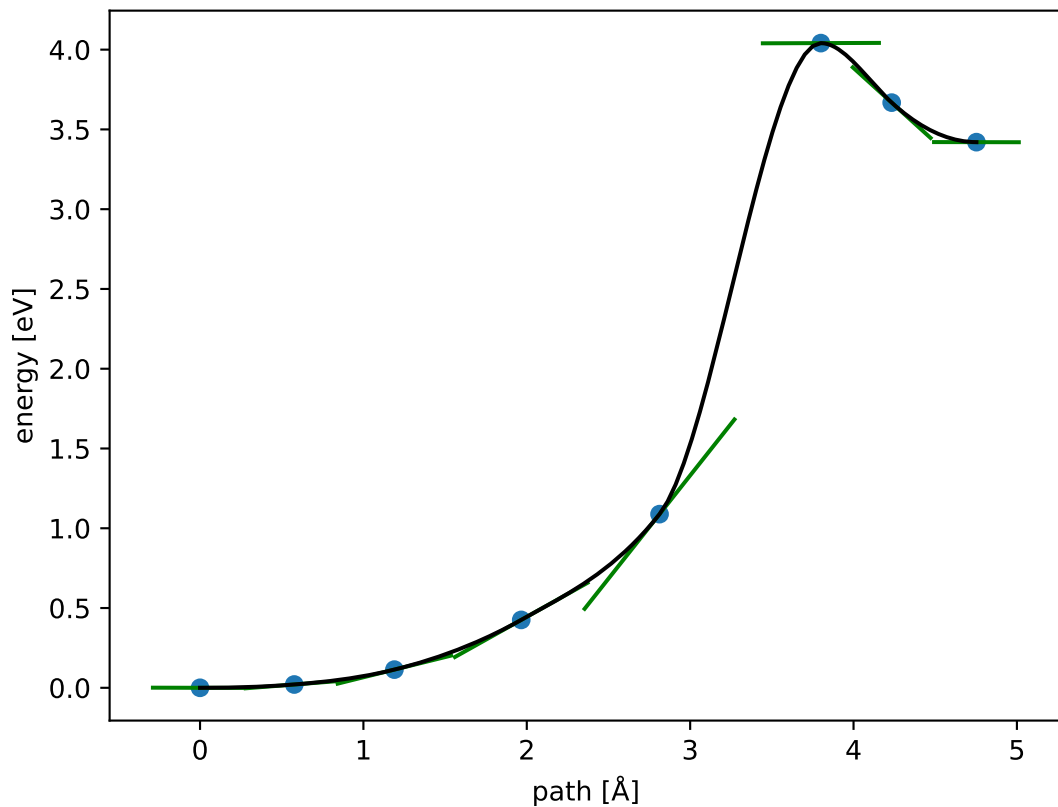
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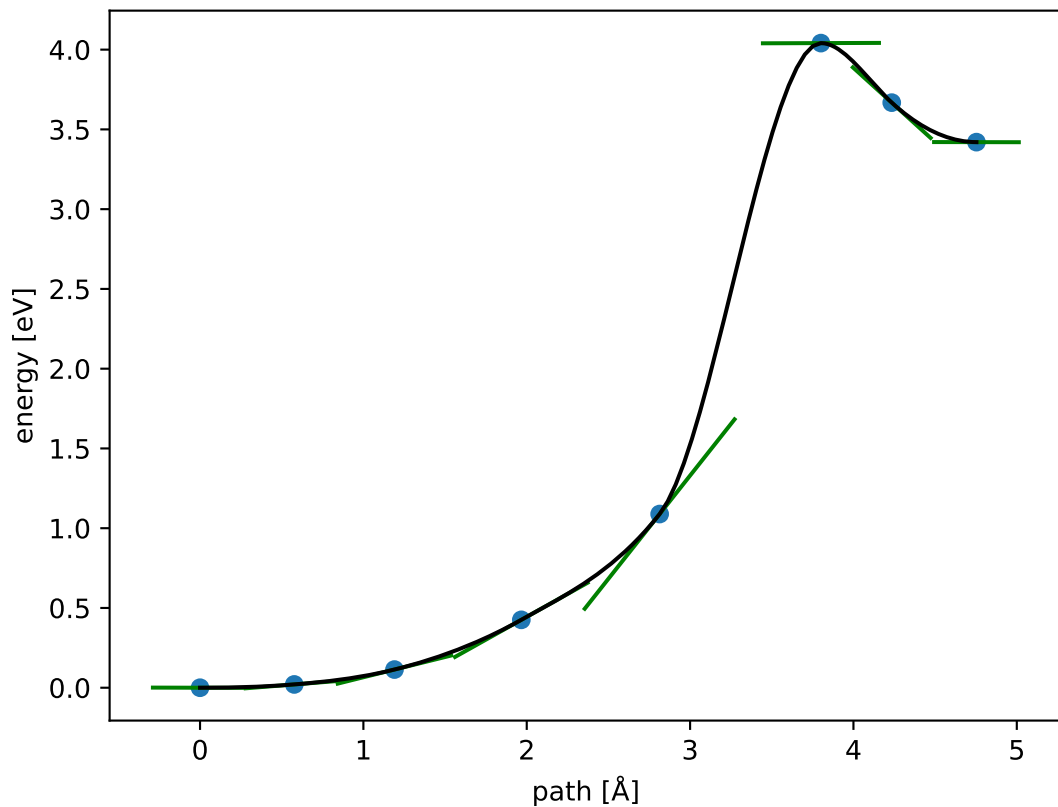
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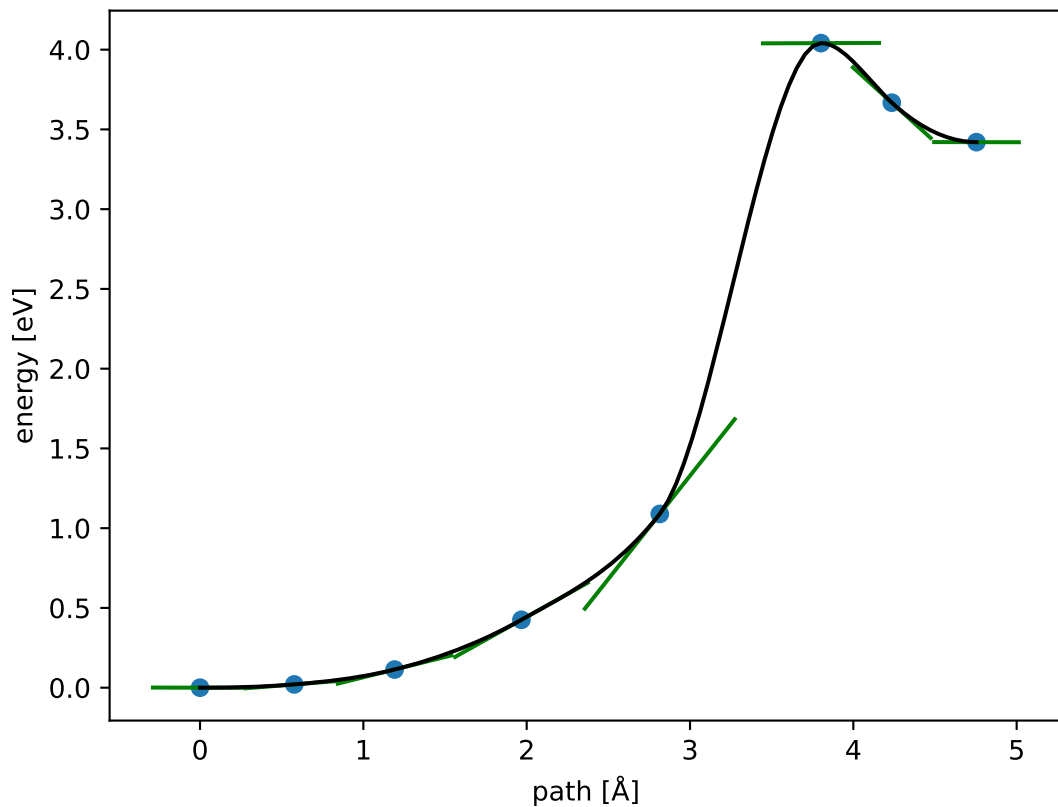
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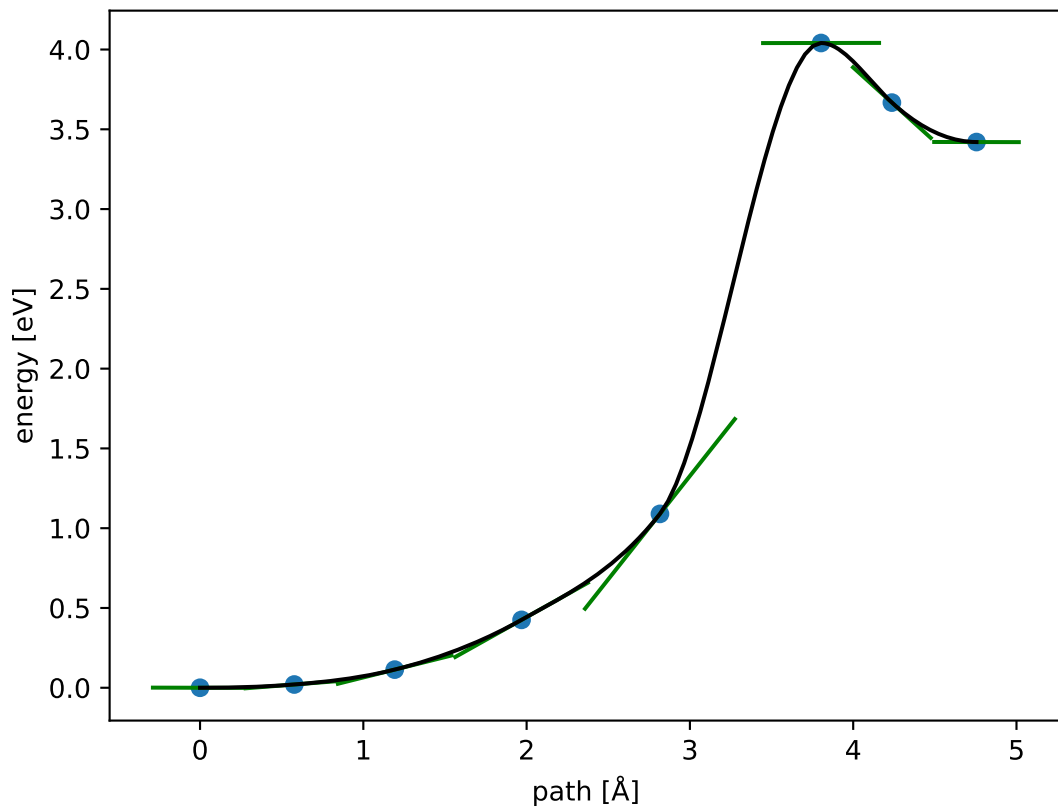


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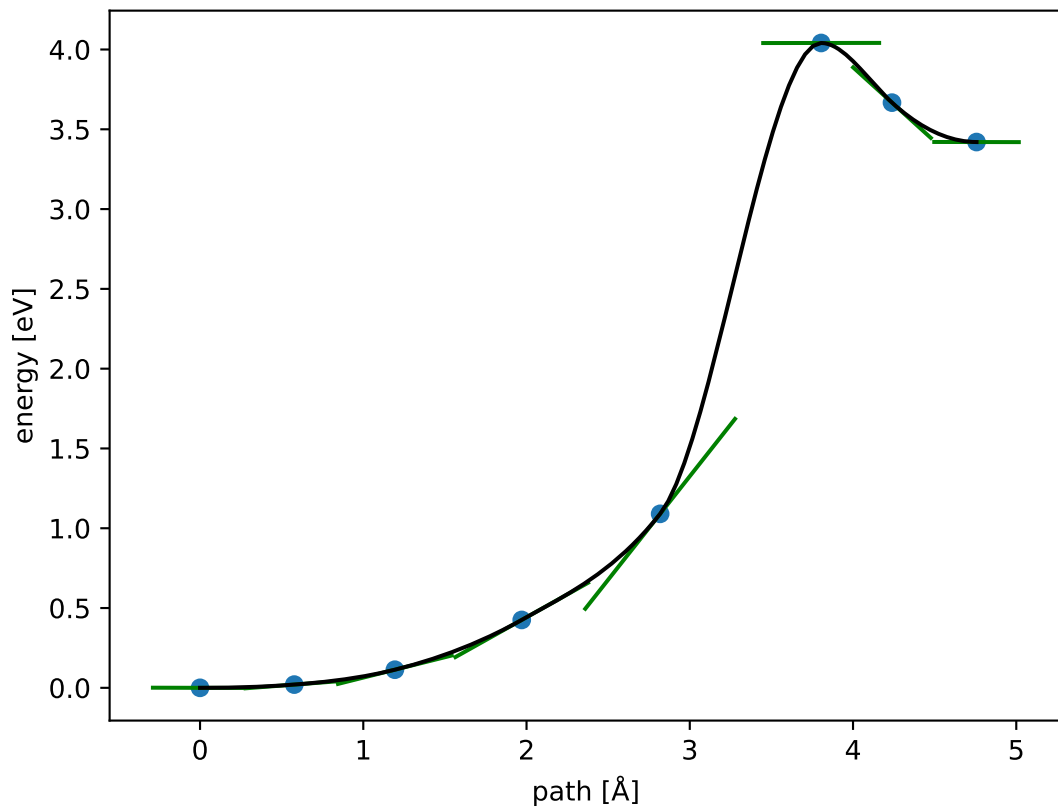




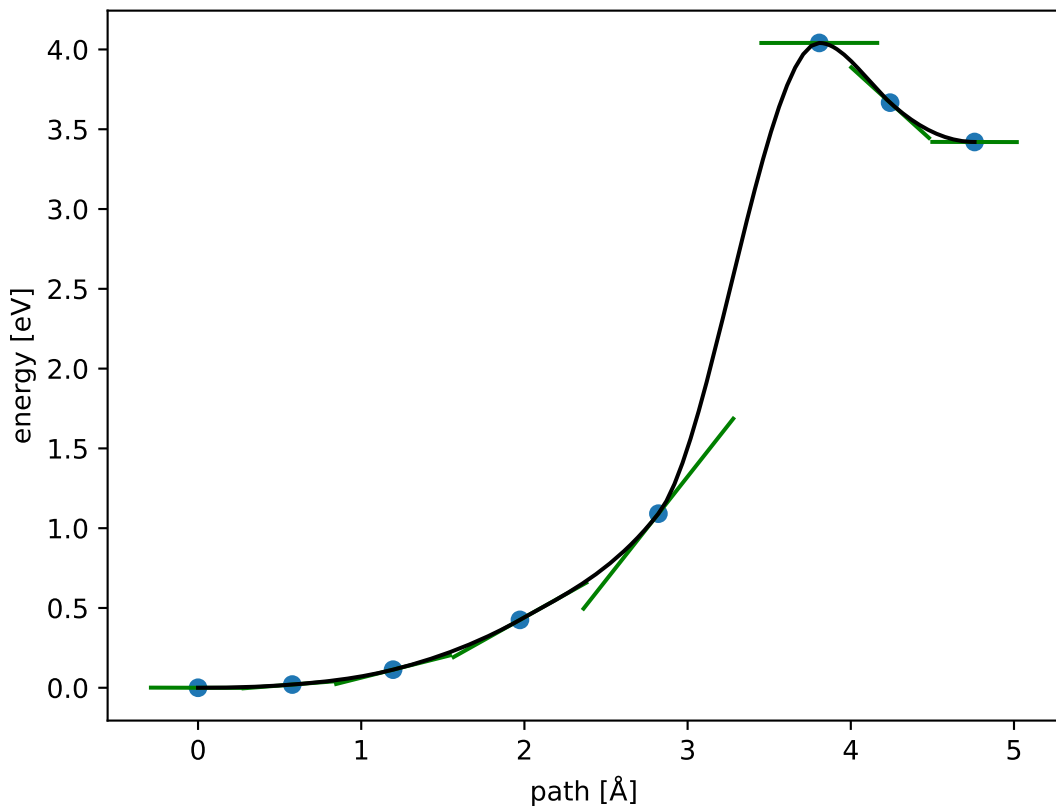
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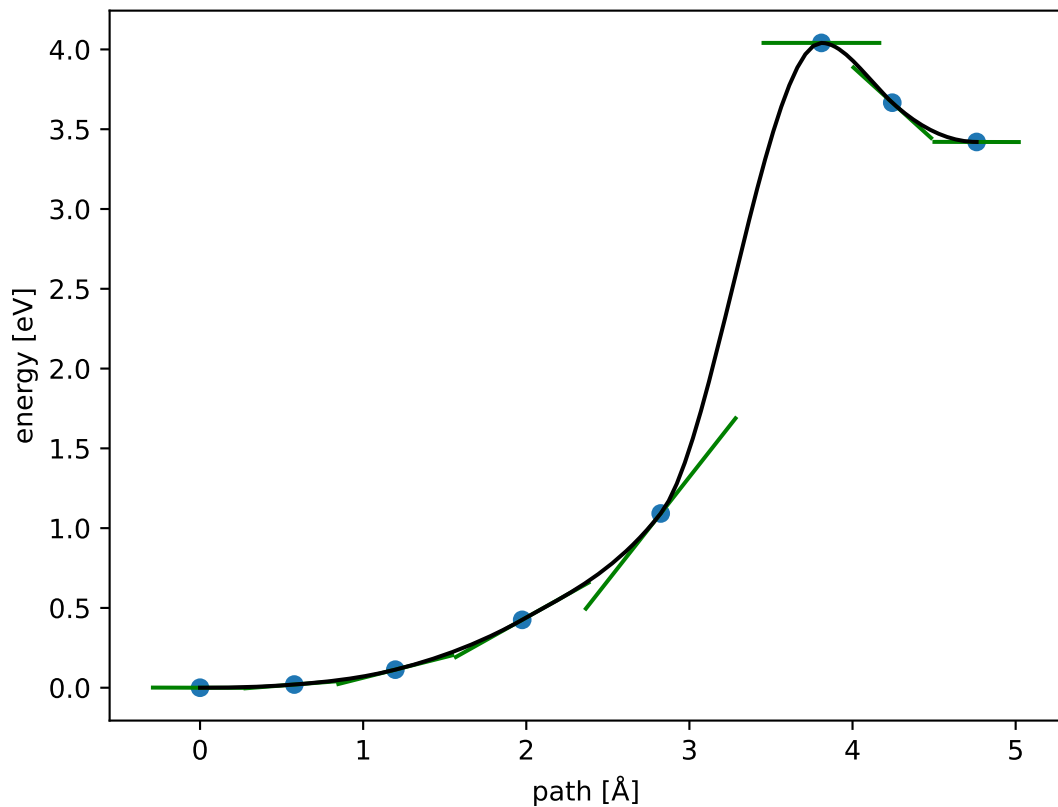
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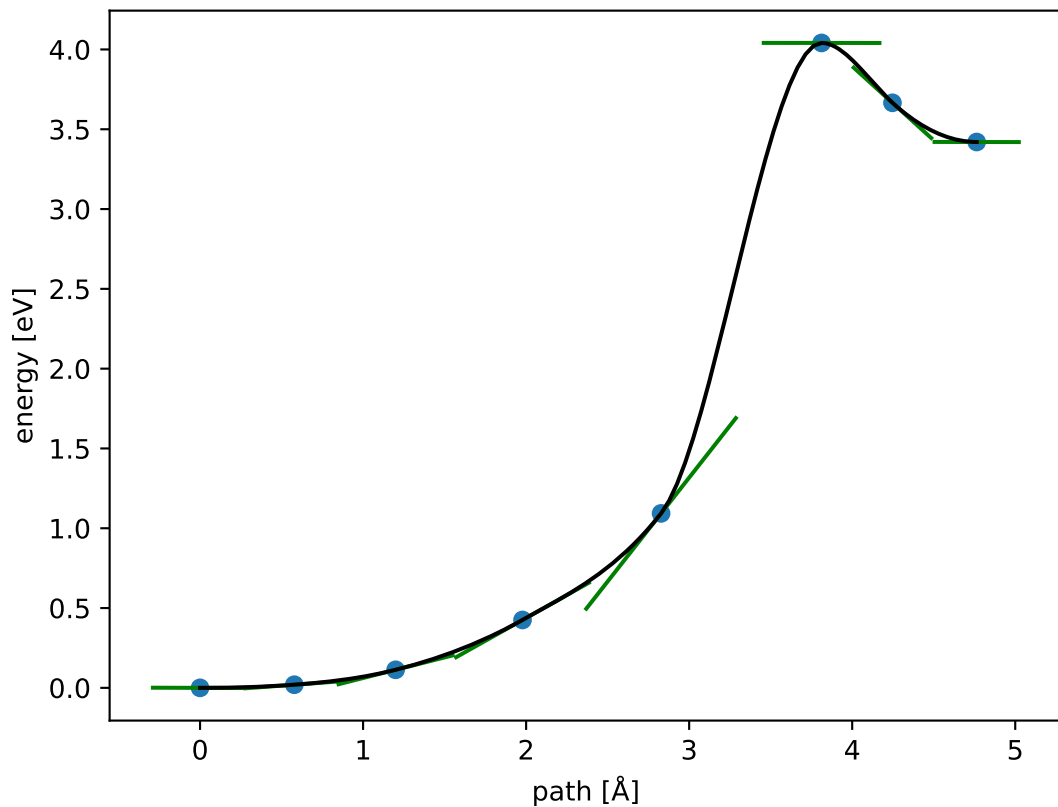
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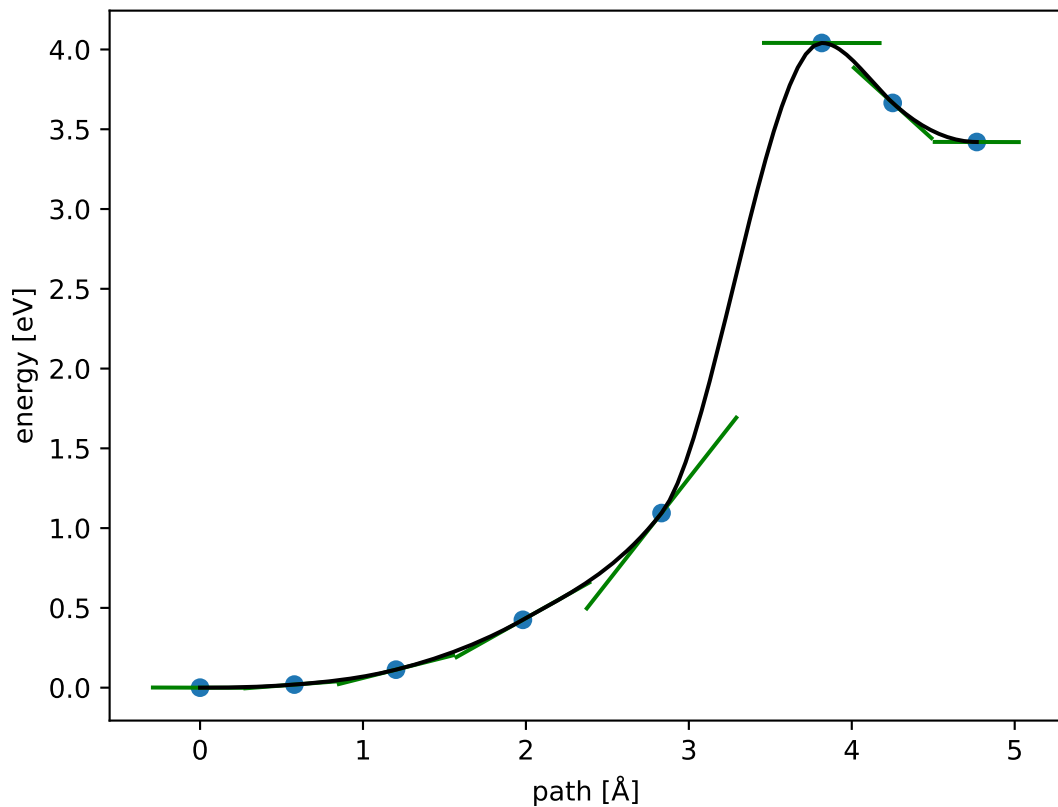
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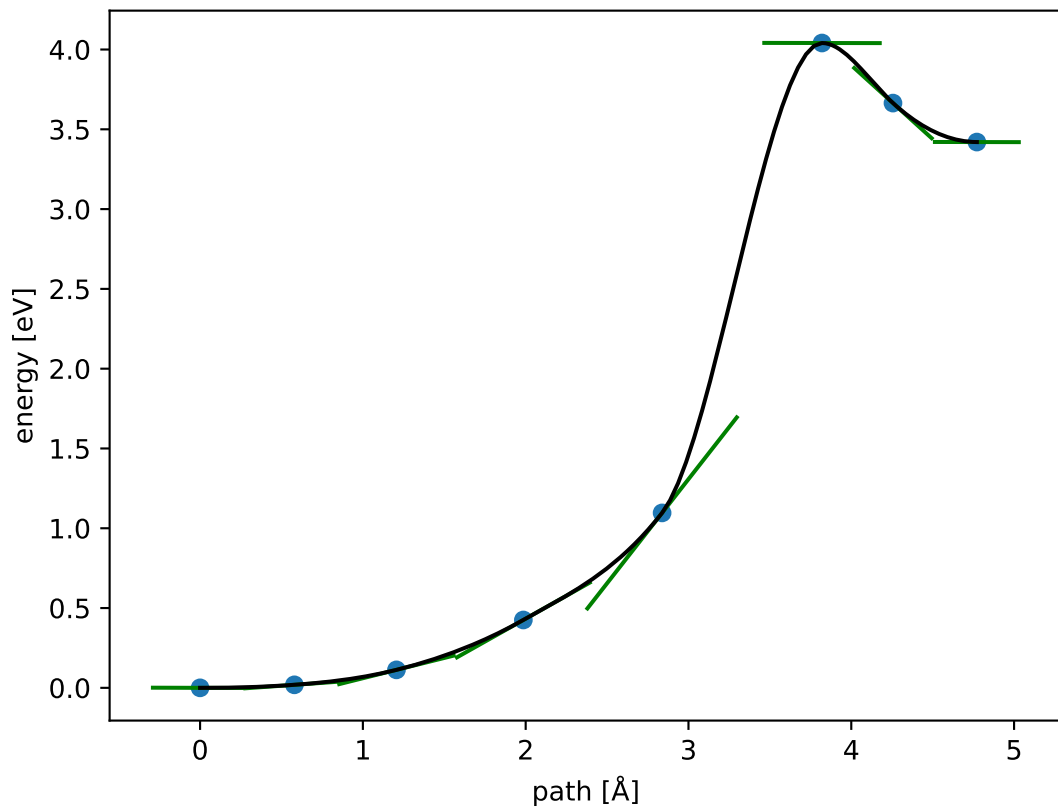
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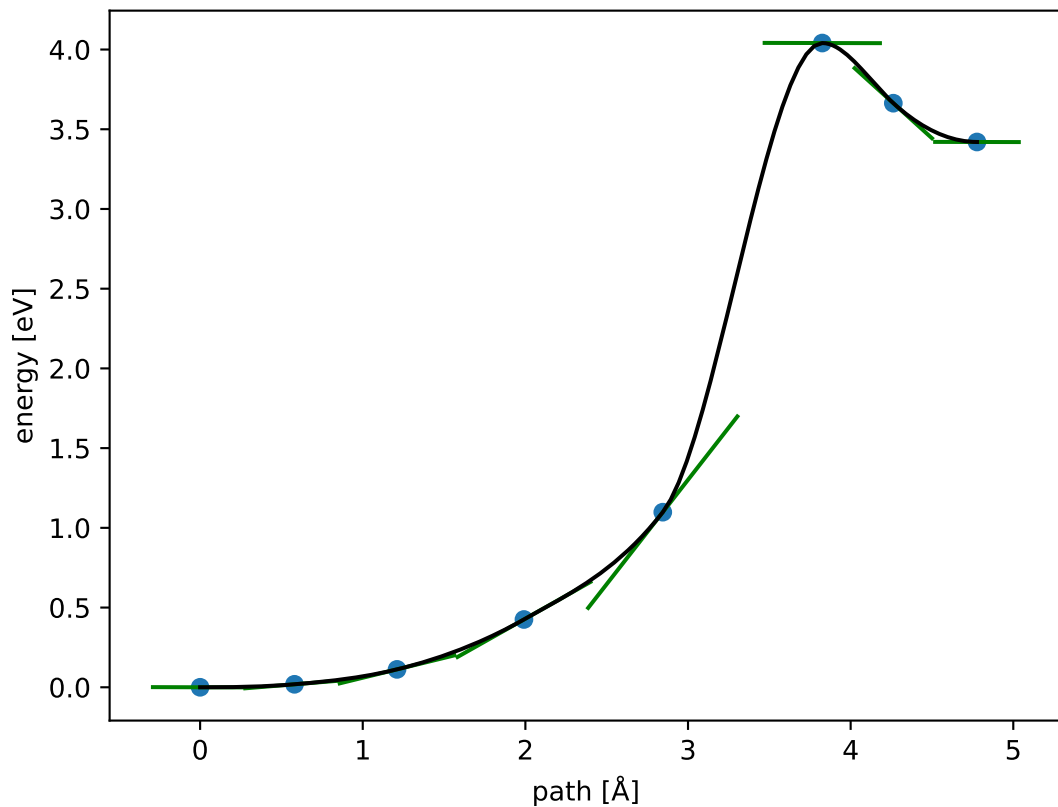
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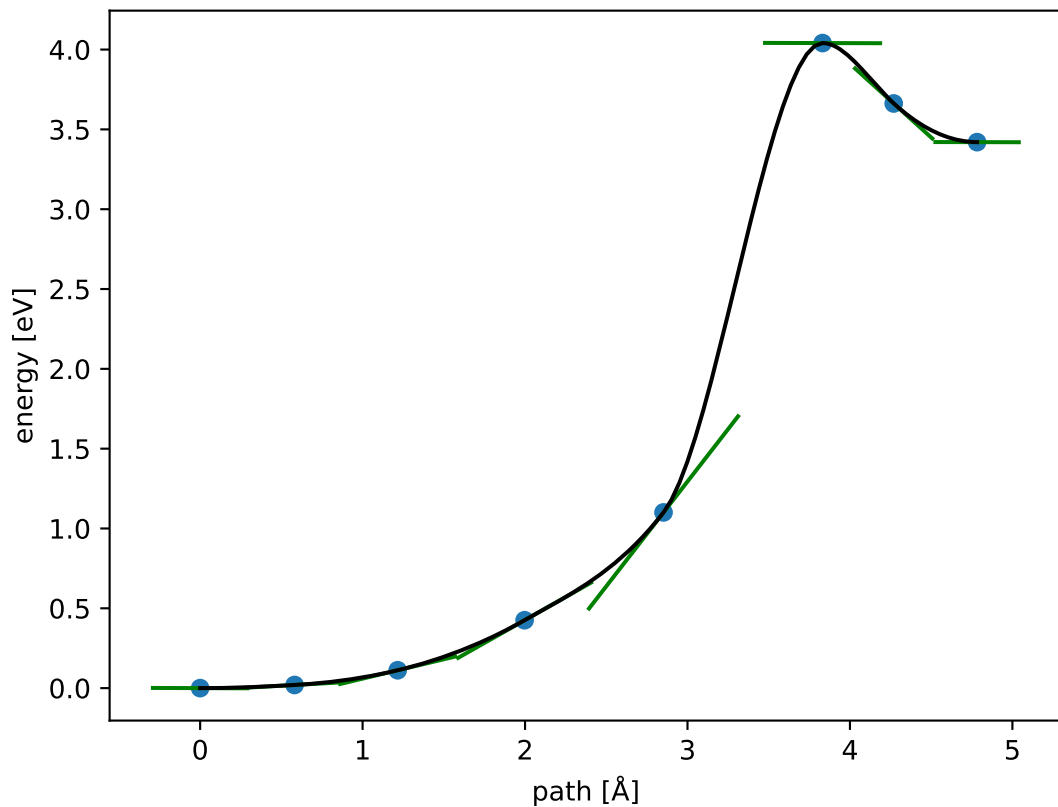


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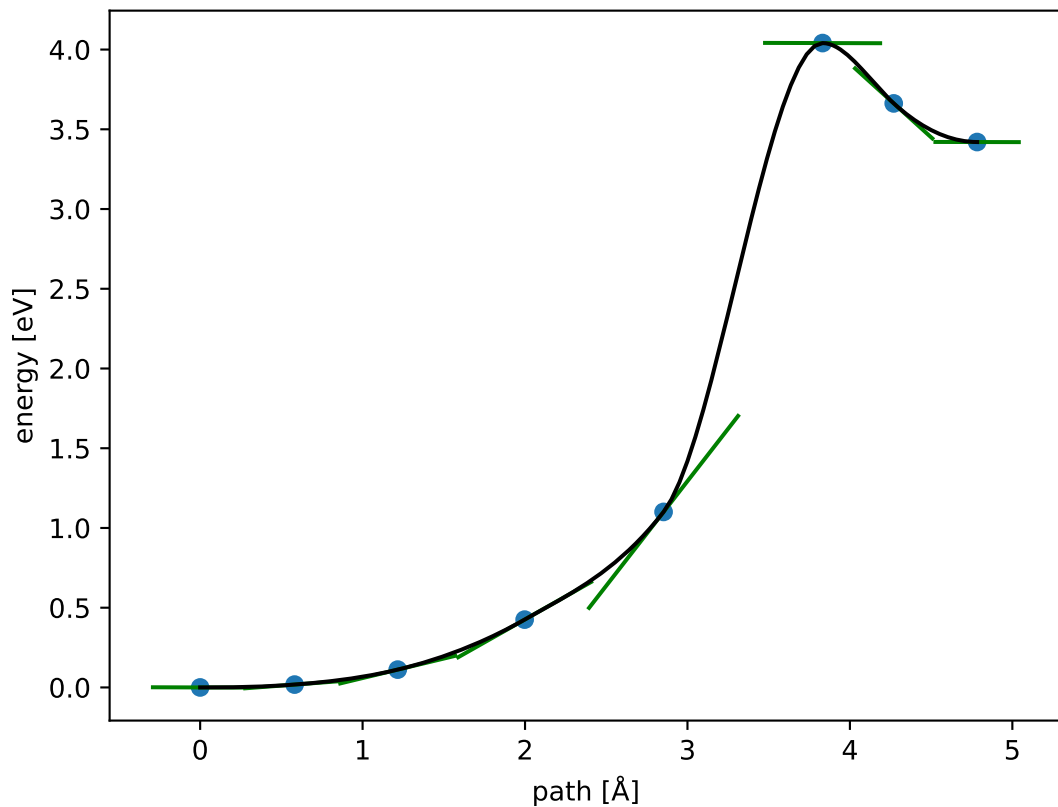




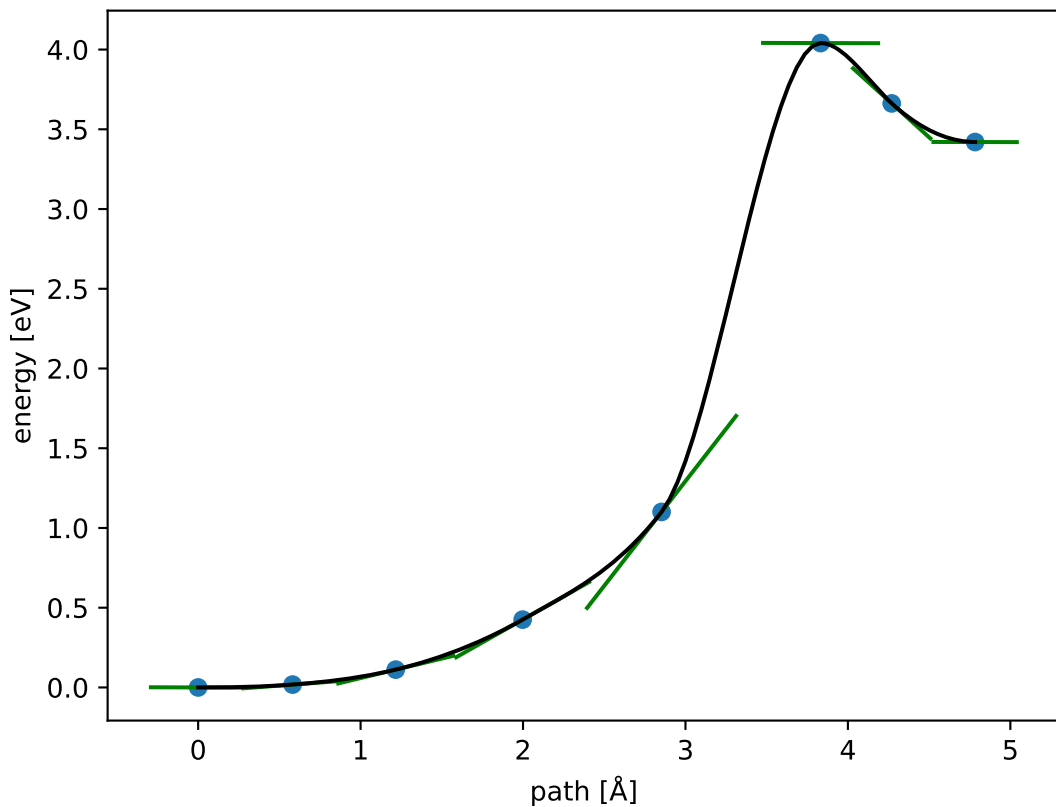
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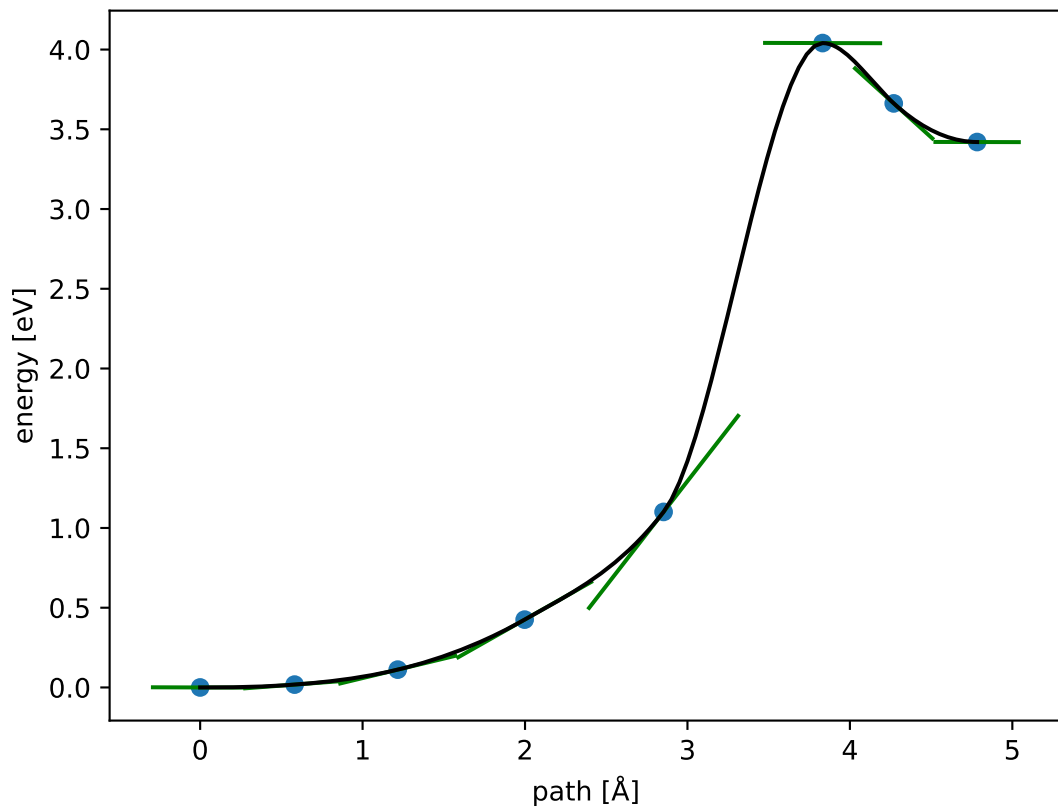
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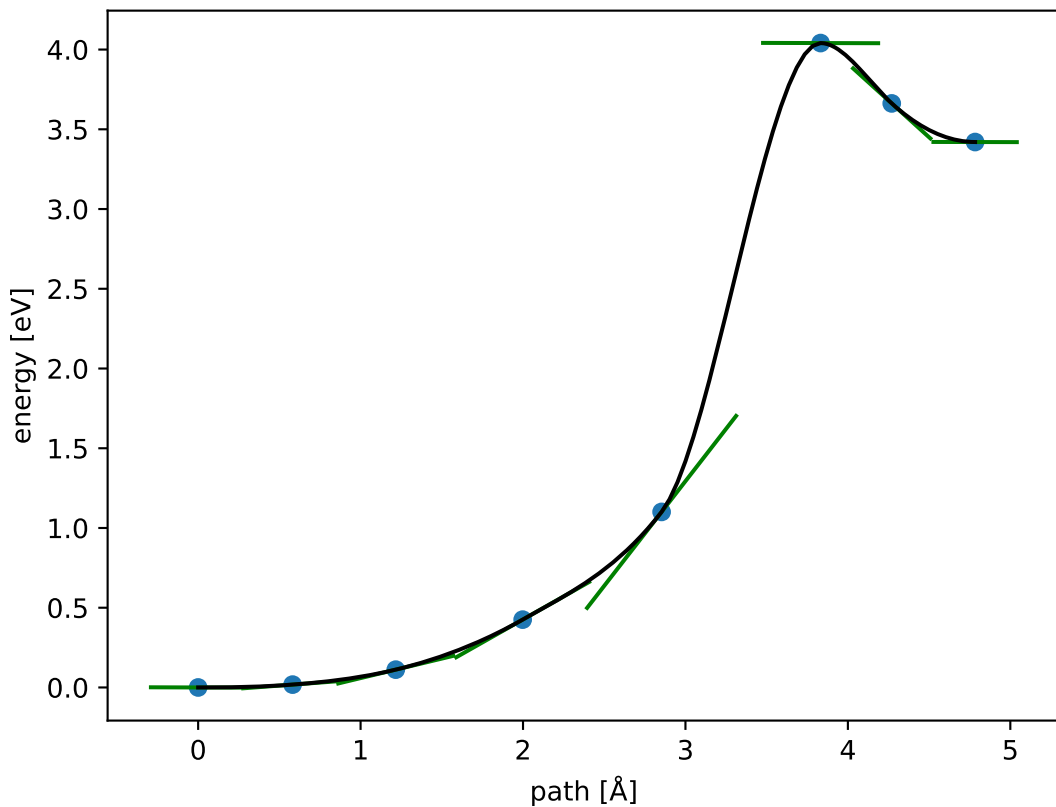
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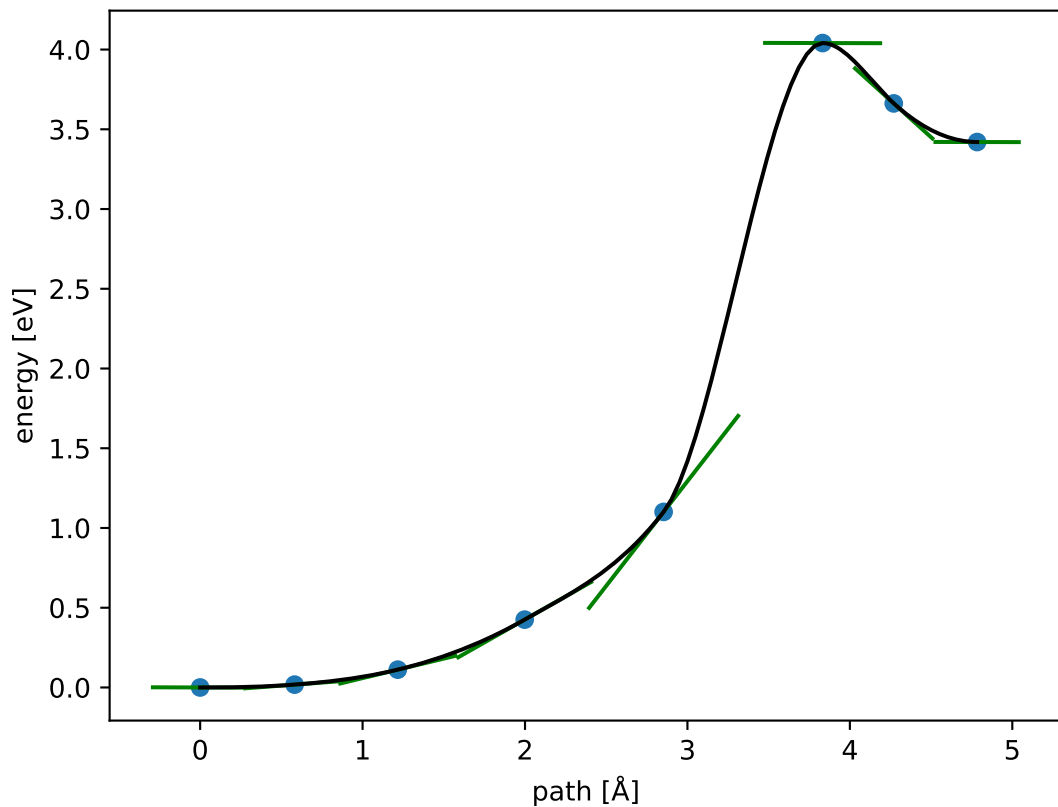
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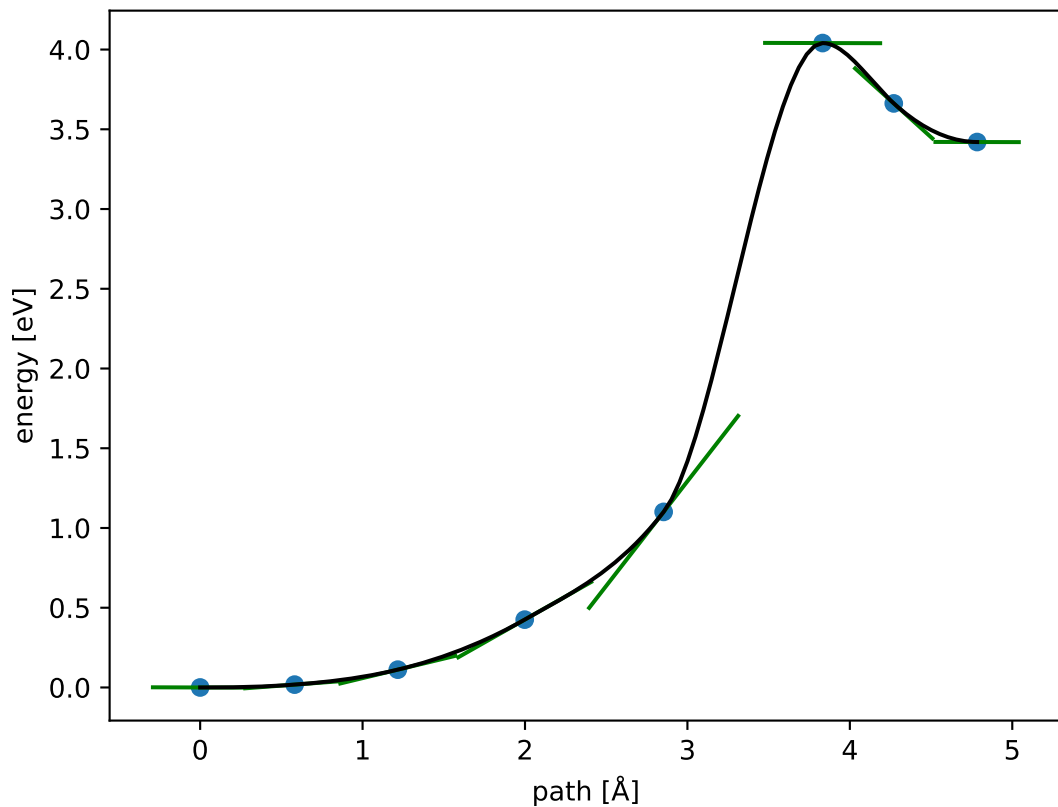
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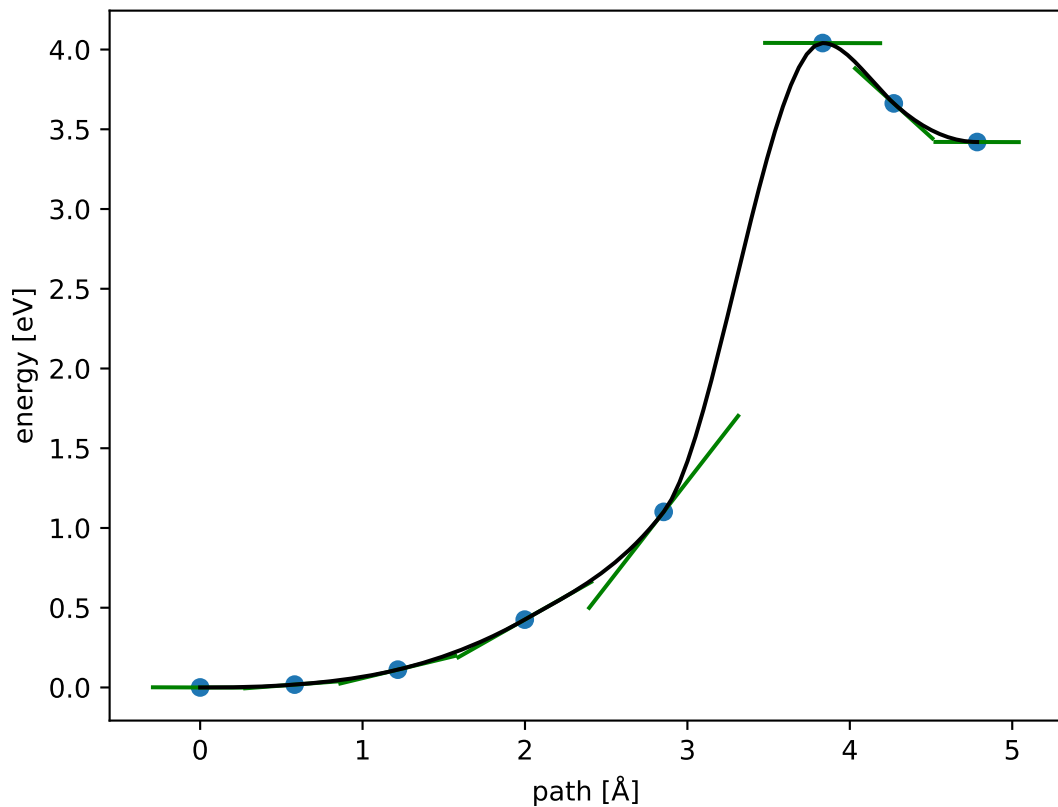
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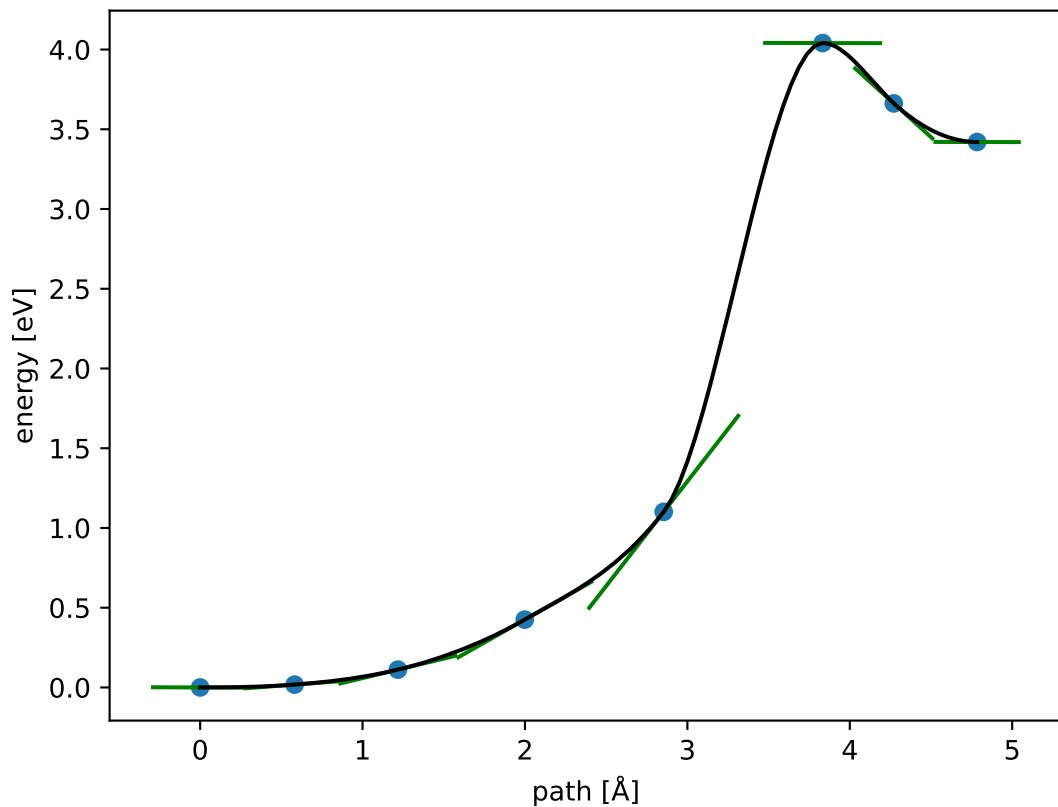


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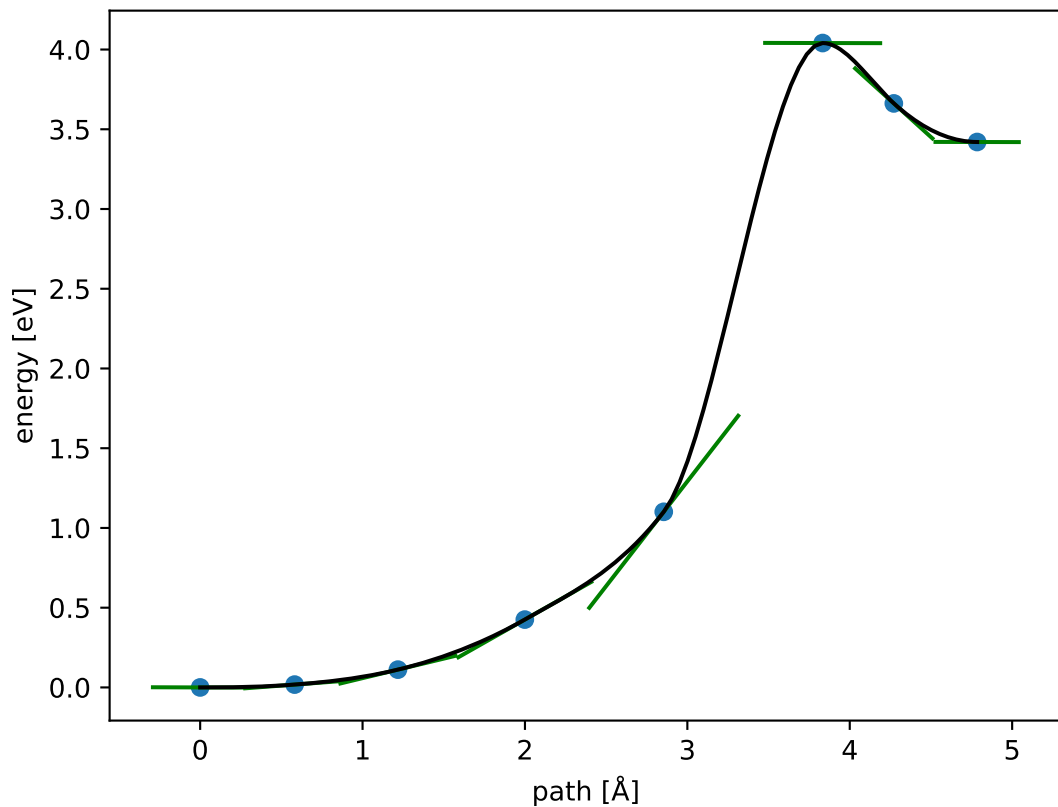




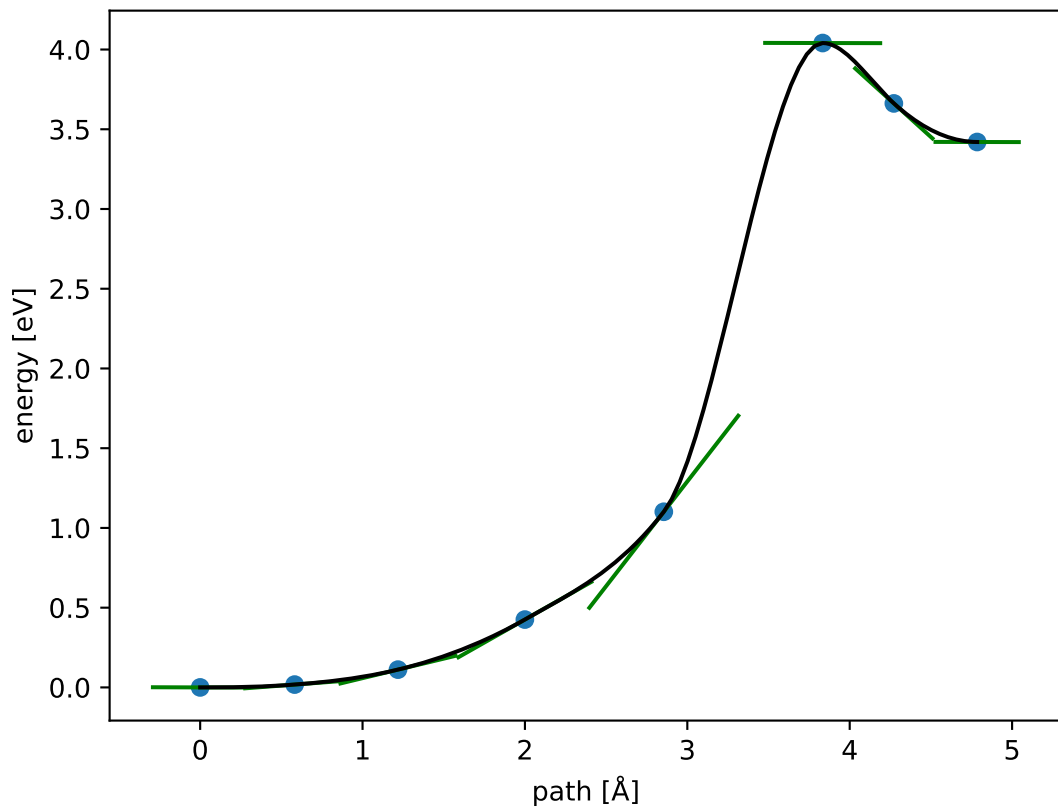
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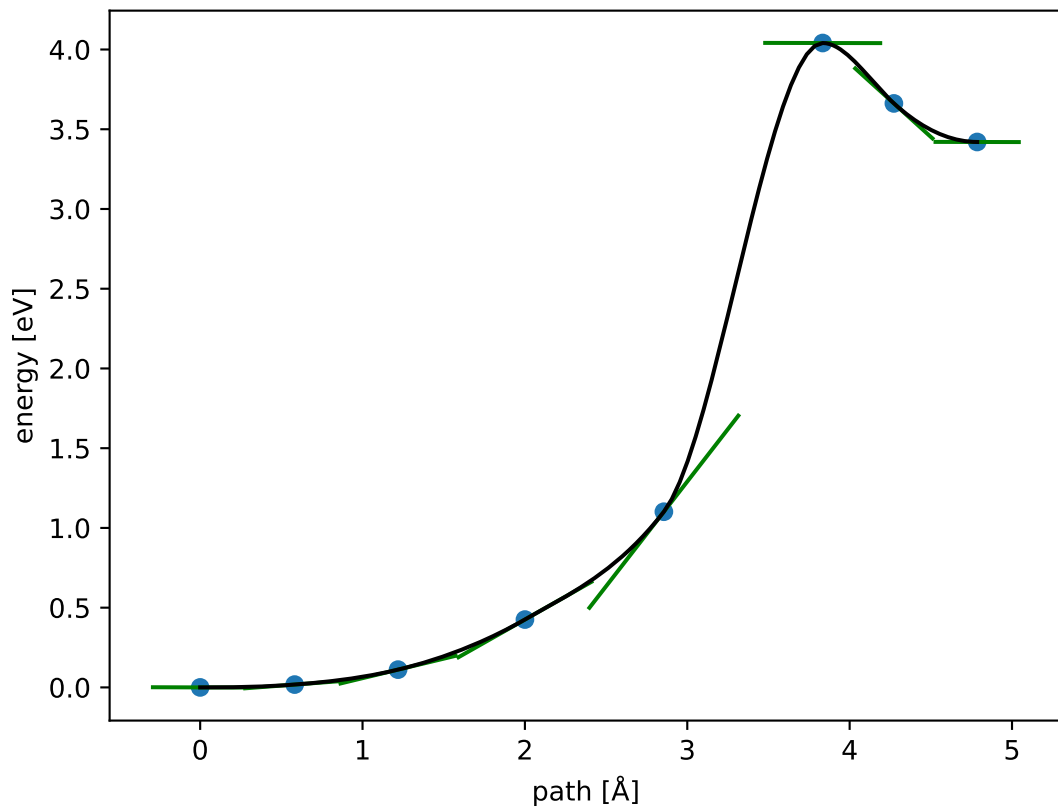
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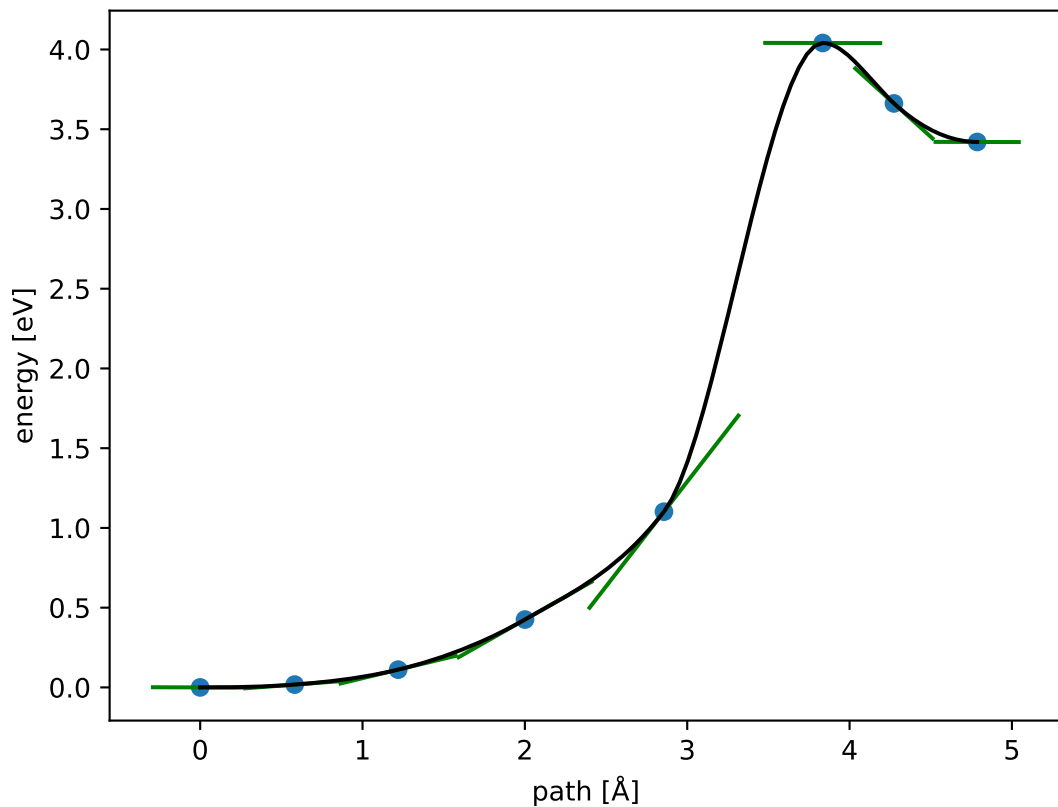
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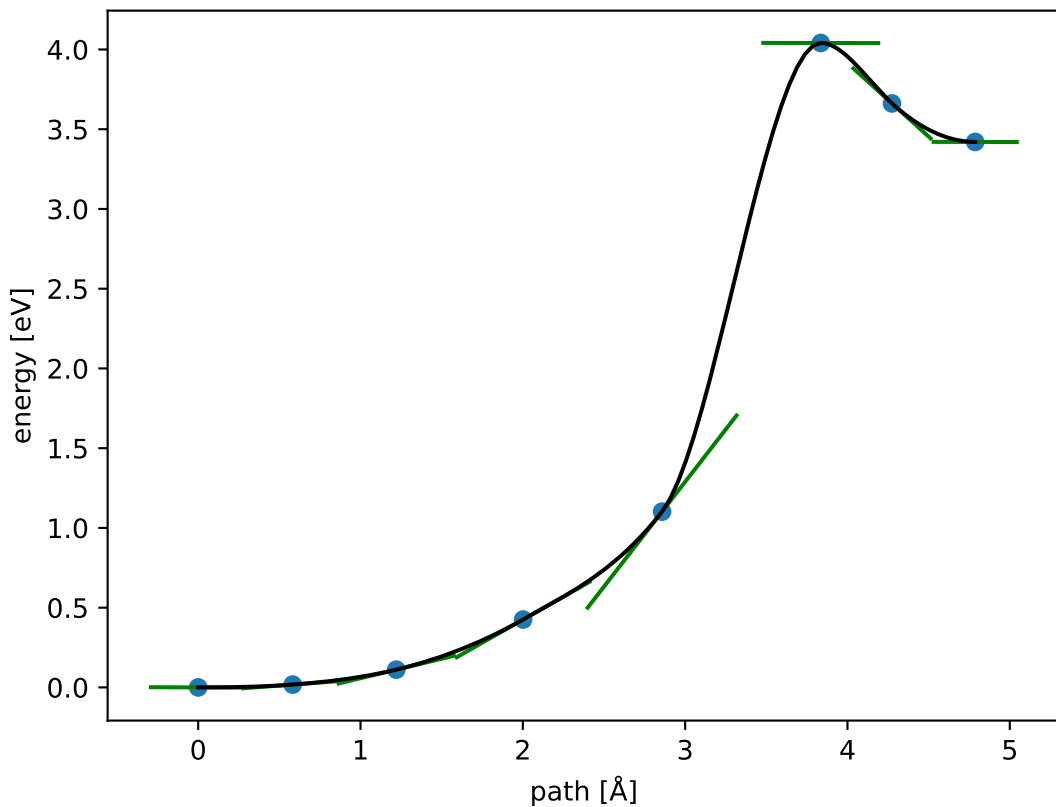
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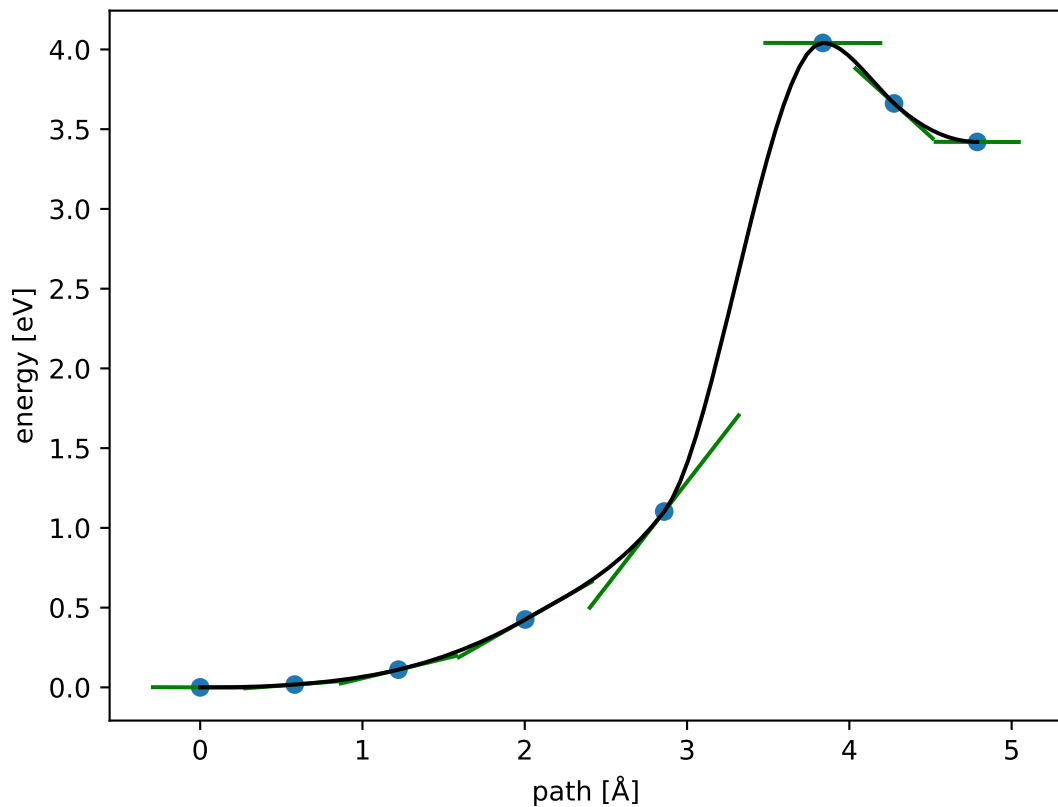
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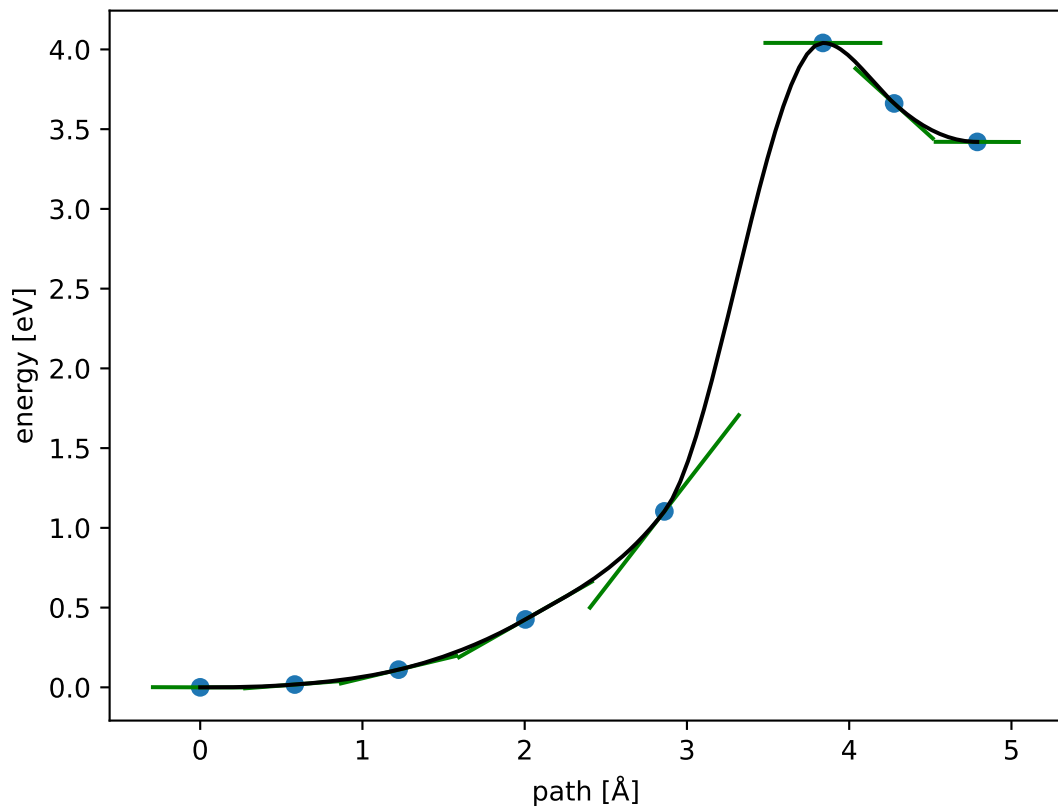
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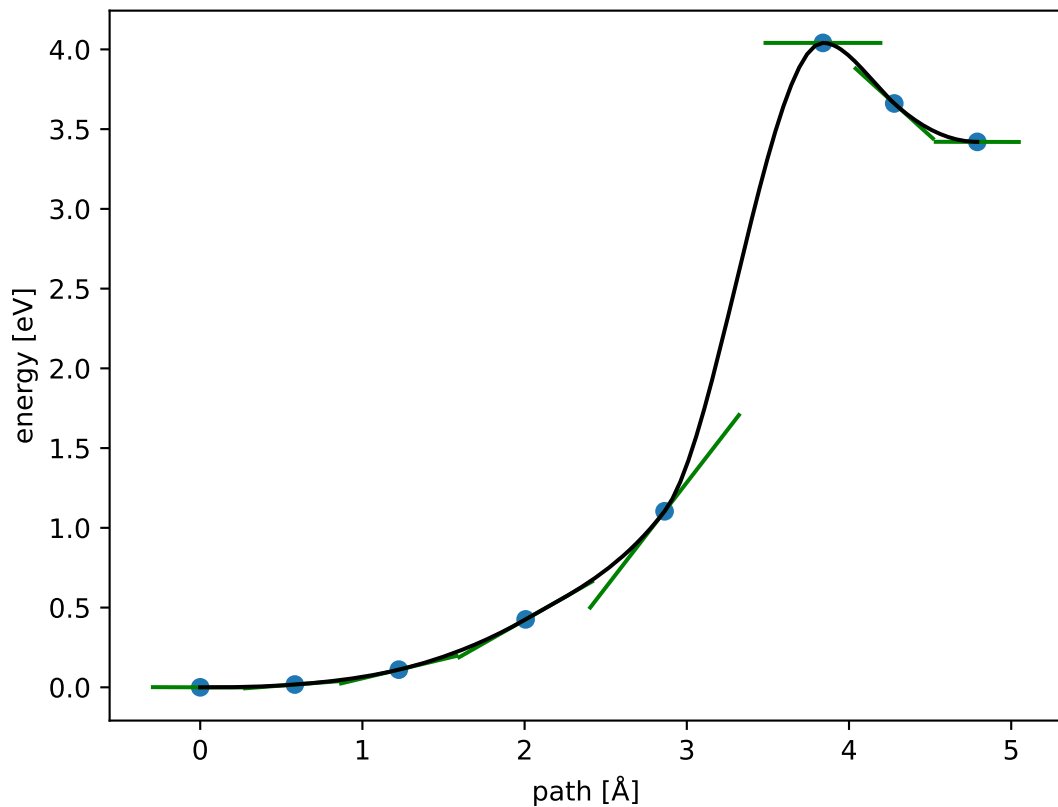


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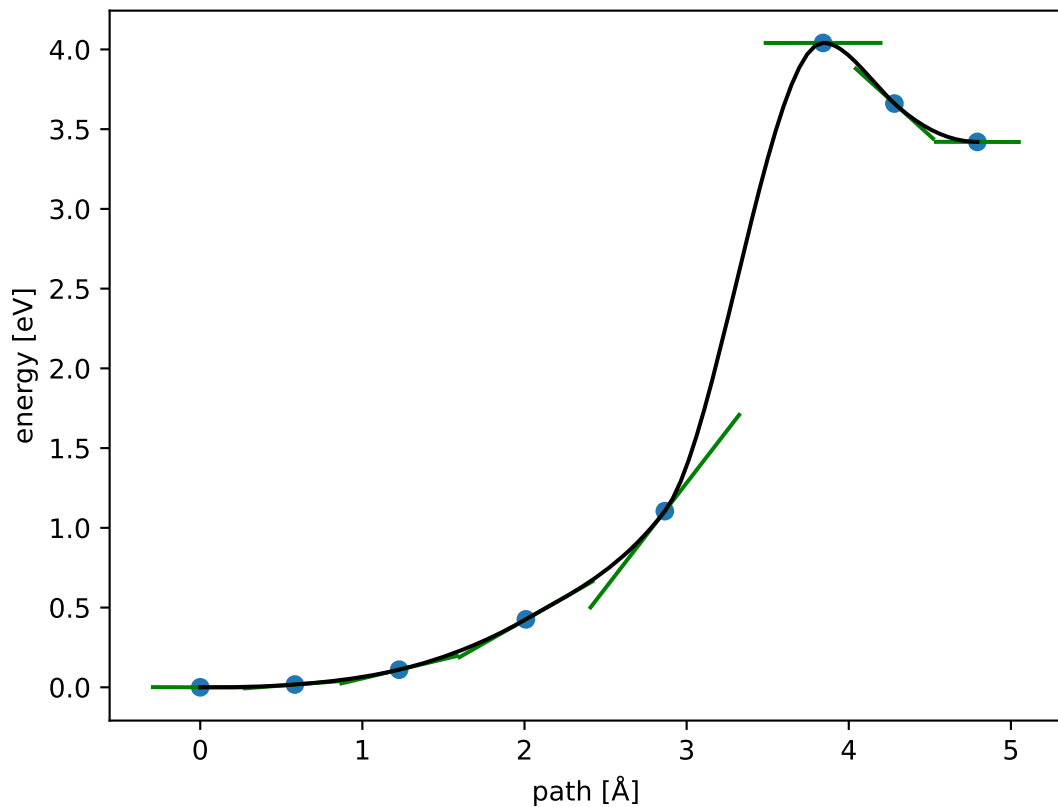




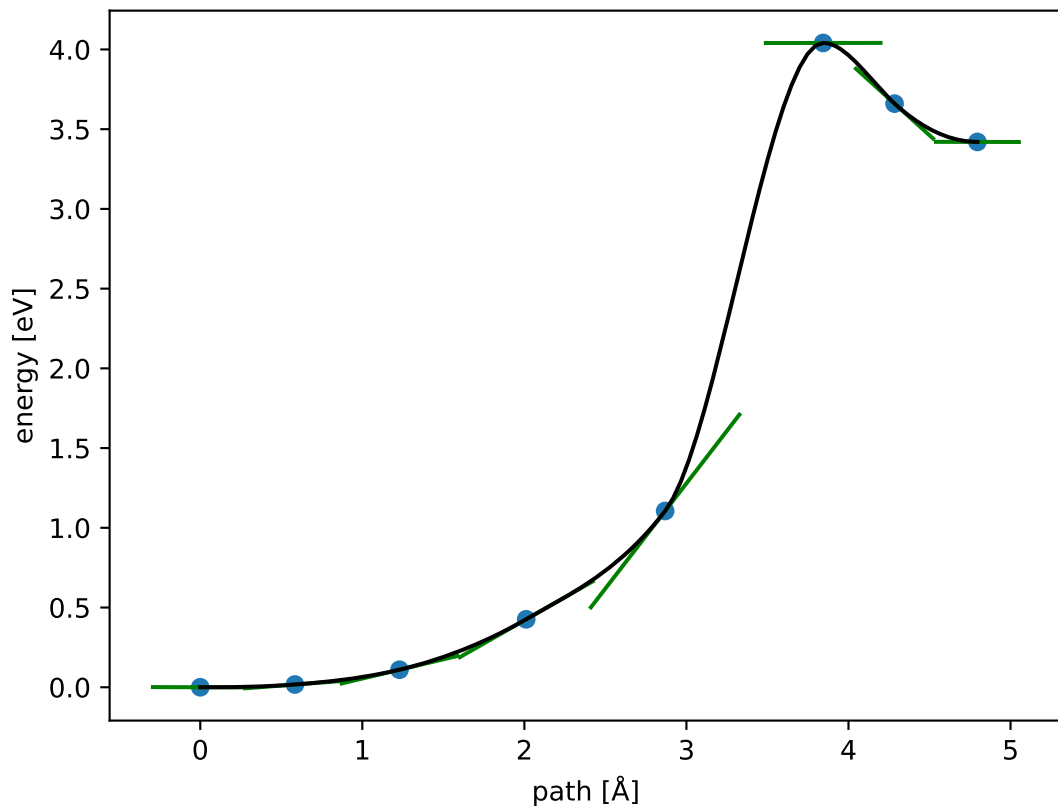
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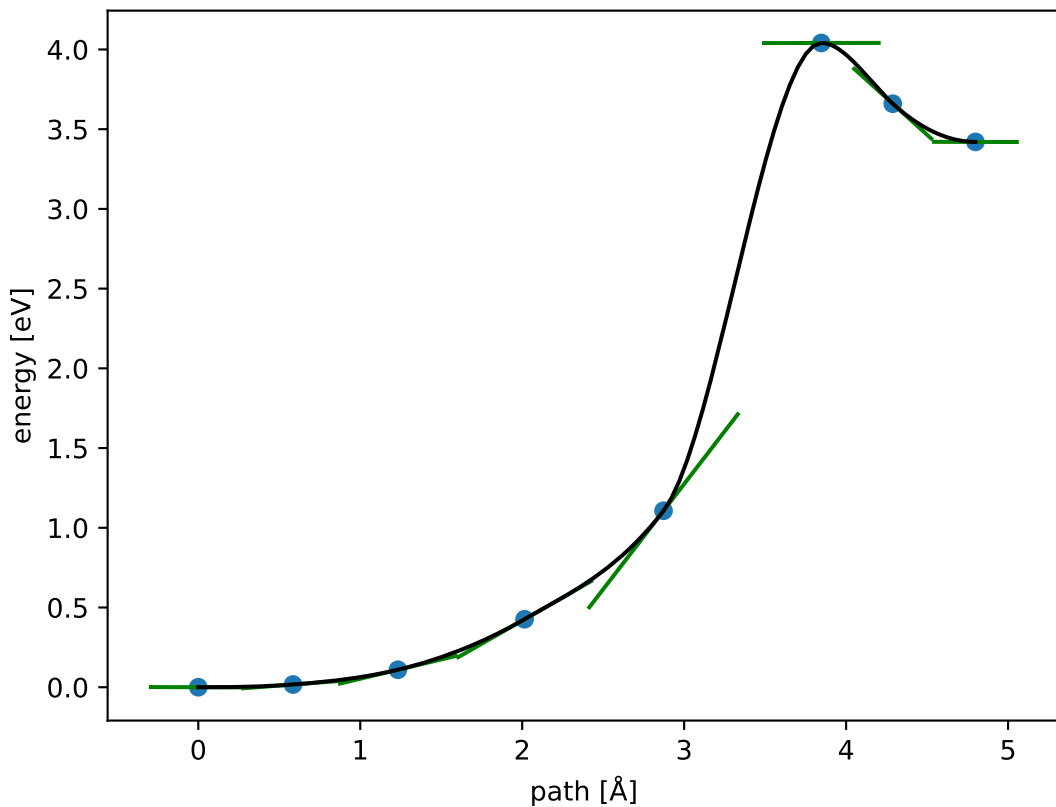
$$E_f \approx 4.041 \text{ eV}; E_r \approx 0.621 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



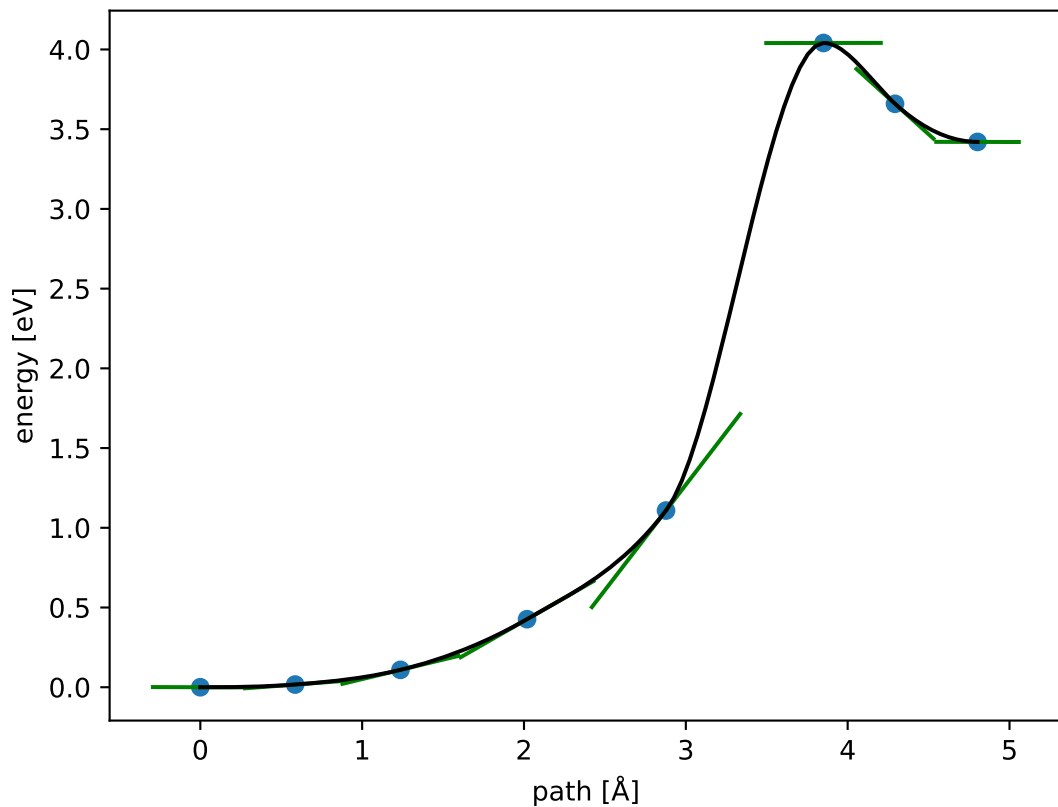
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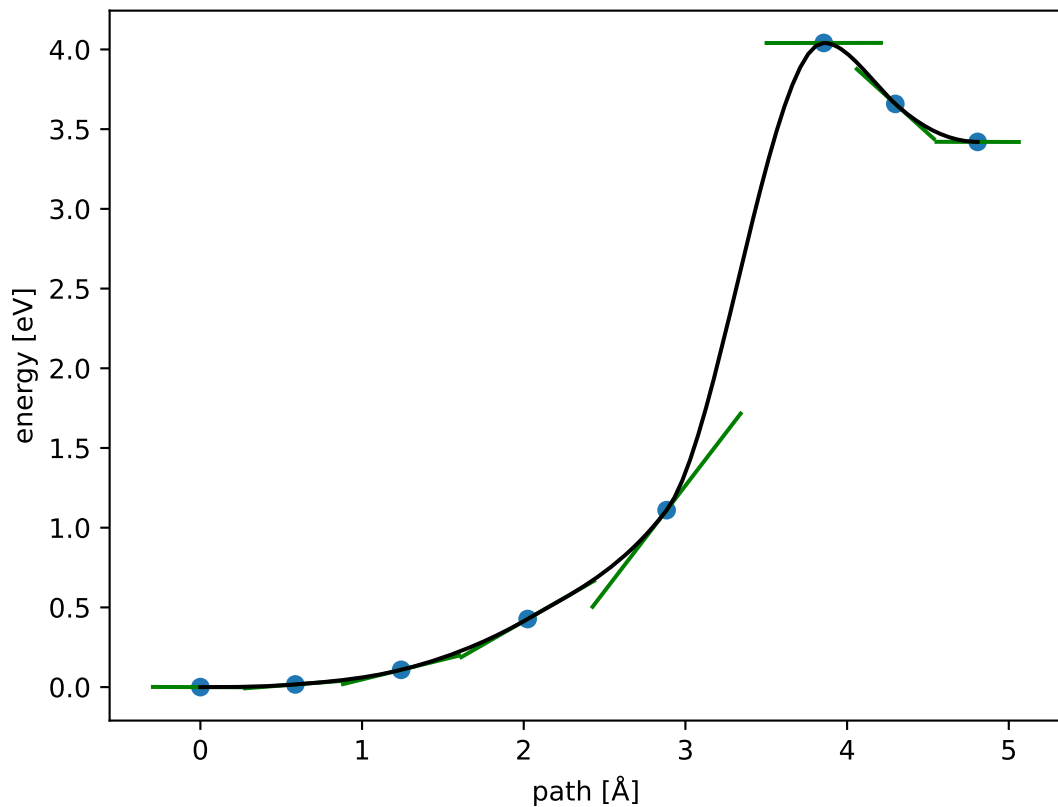
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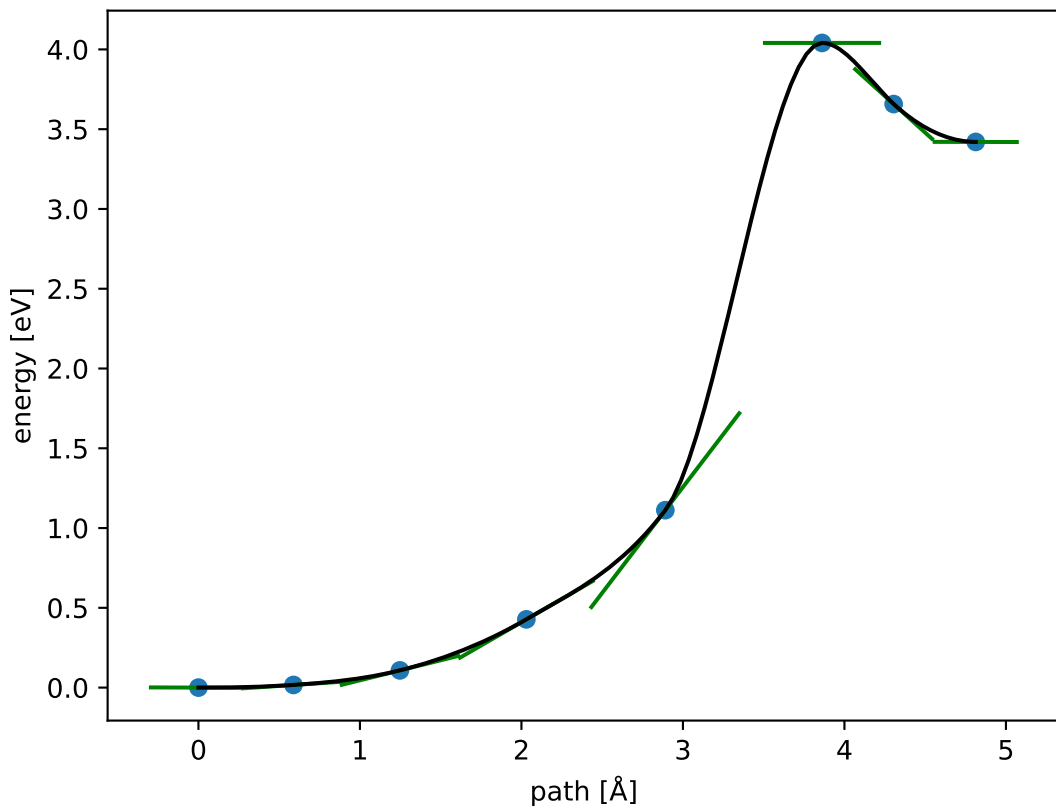
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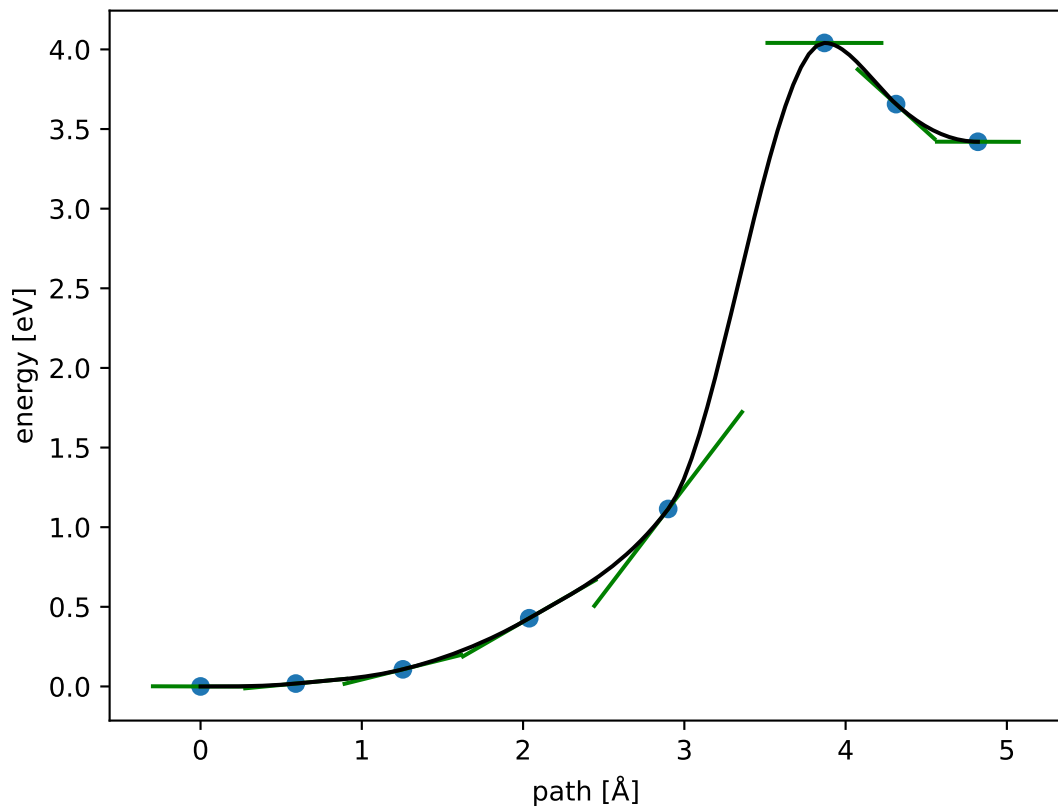
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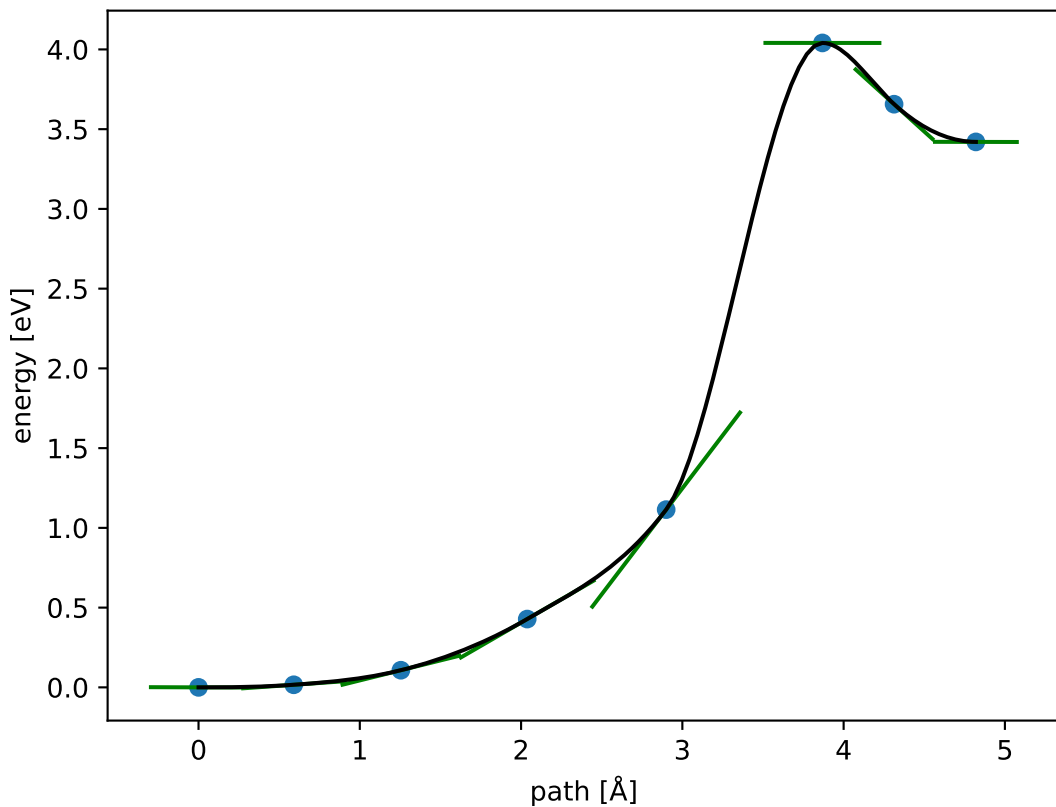


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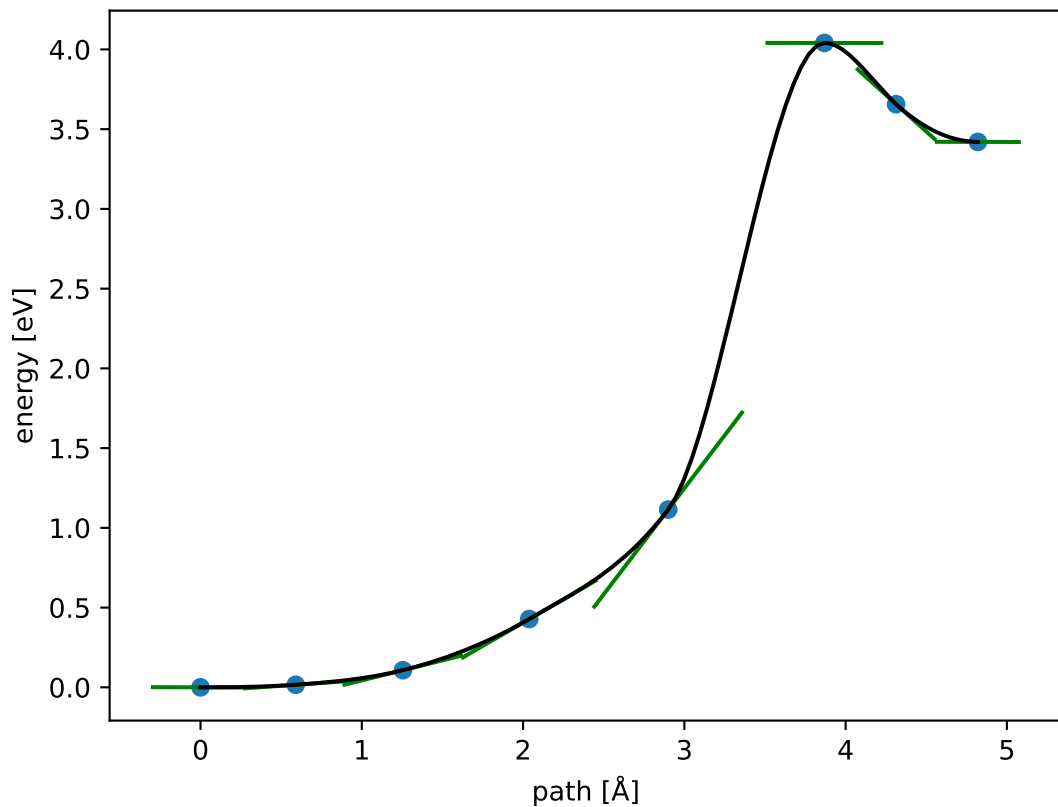




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