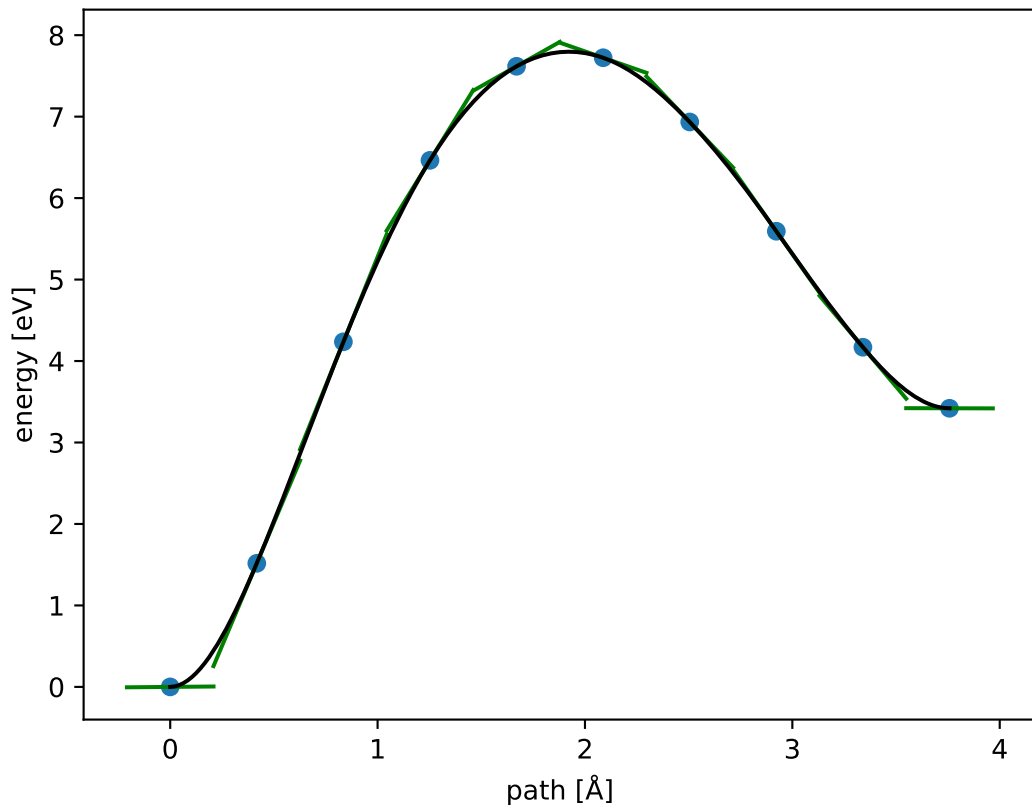
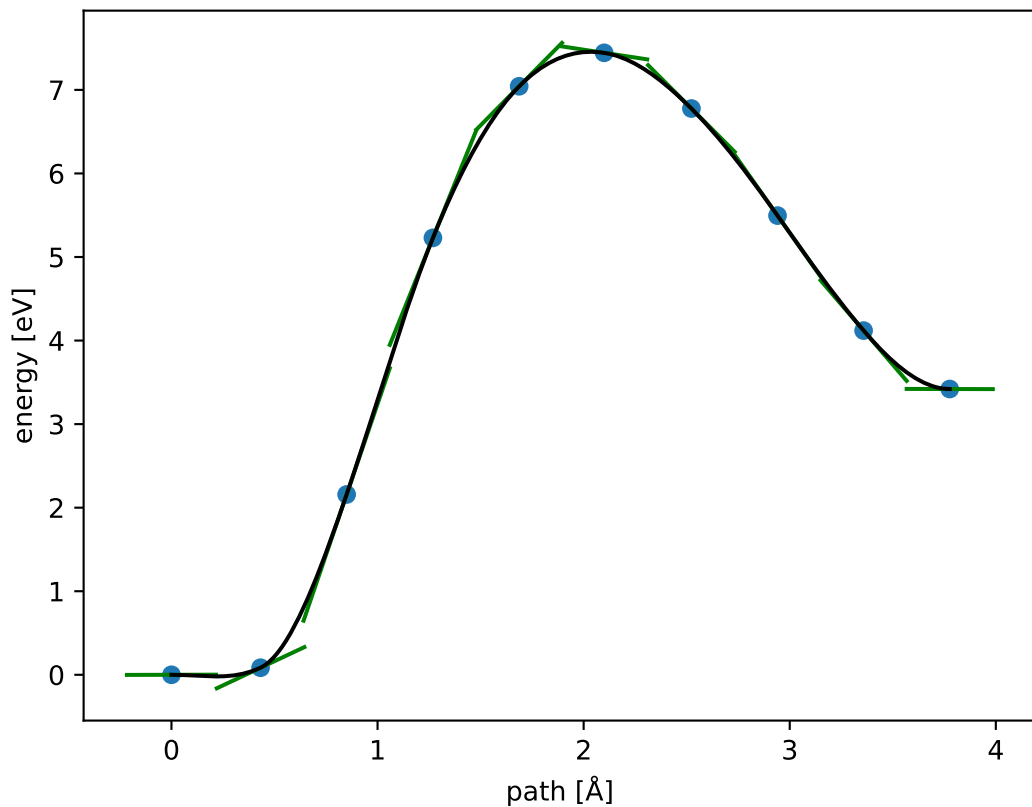


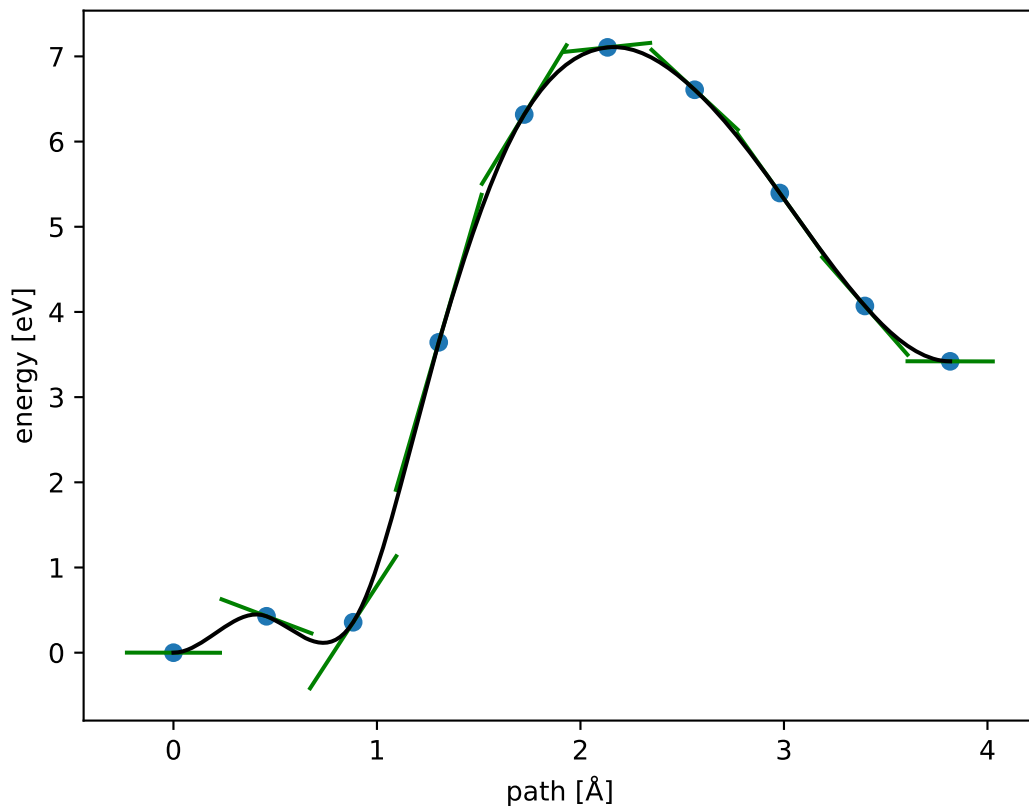
$$E_f \approx 7.723 \text{ eV}; E_r \approx 4.303 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



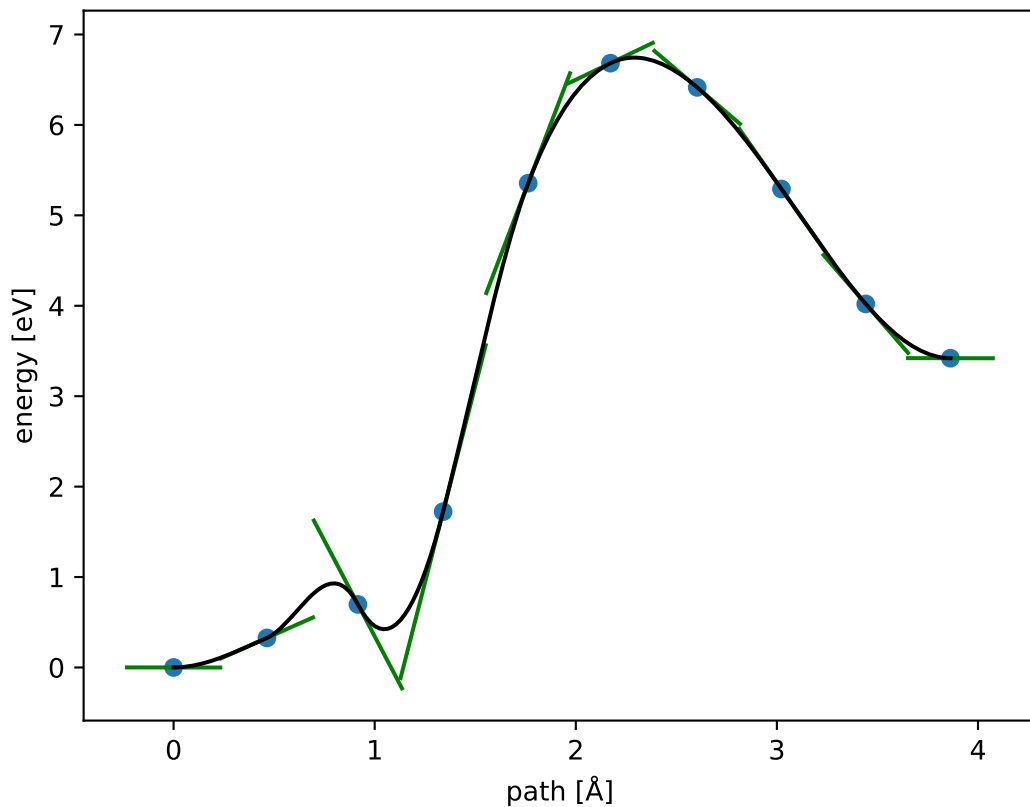
$$E_f \approx 7.444 \text{ eV}; E_r \approx 4.023 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



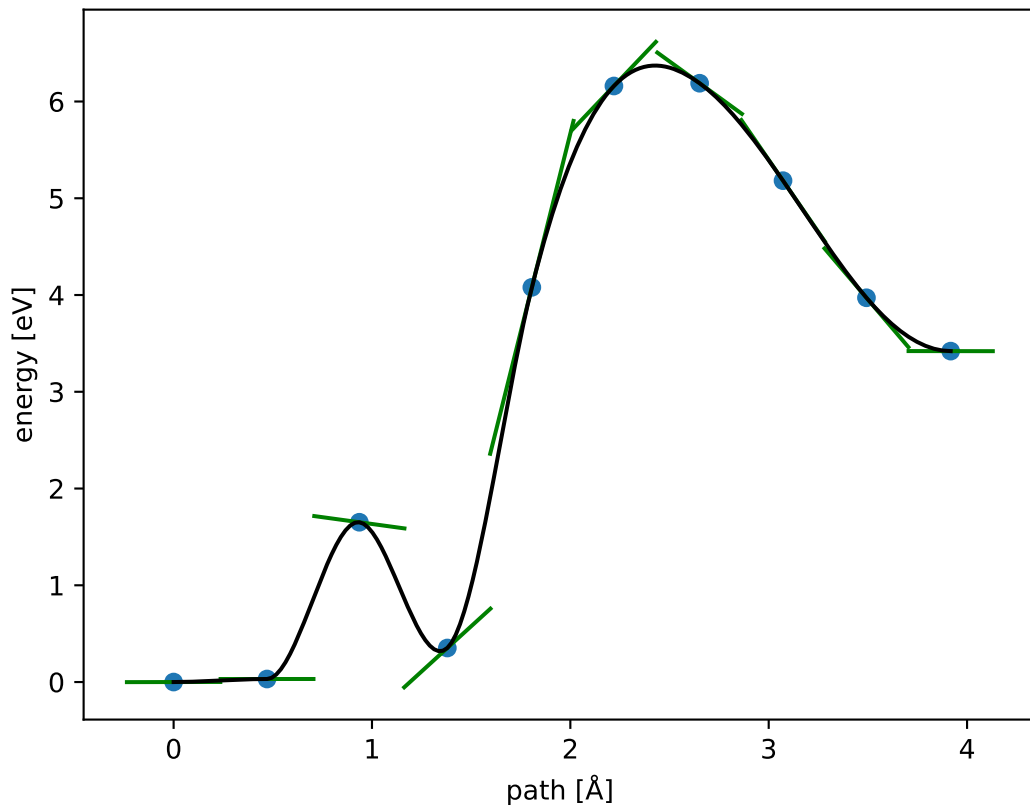
$$E_f \approx 7.106 \text{ eV}; E_r \approx 3.686 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



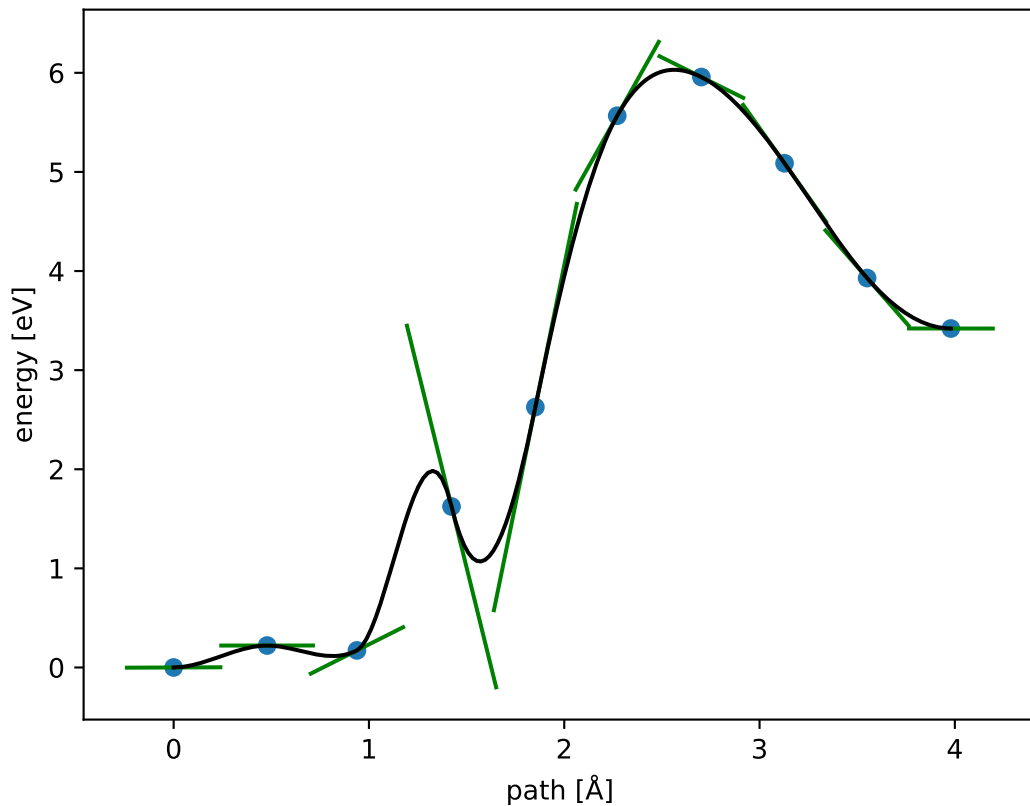
$$E_f \approx 6.683 \text{ eV}; E_r \approx 3.263 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



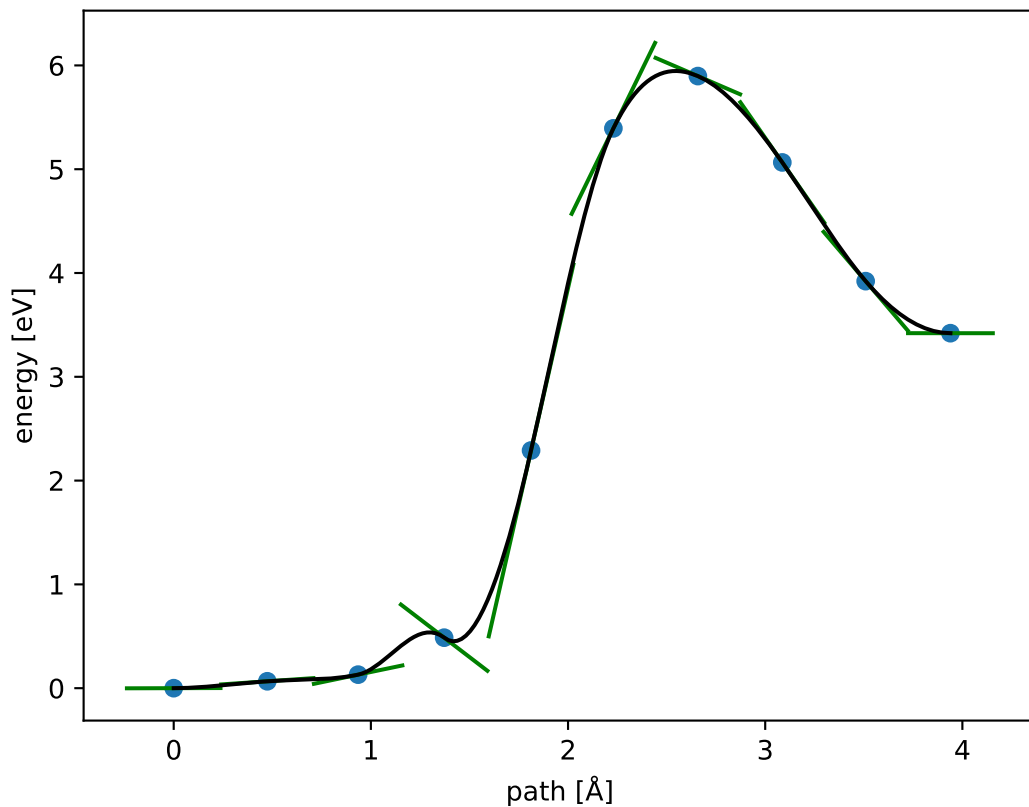
$$E_f \approx 6.189 \text{ eV}; E_r \approx 2.769 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



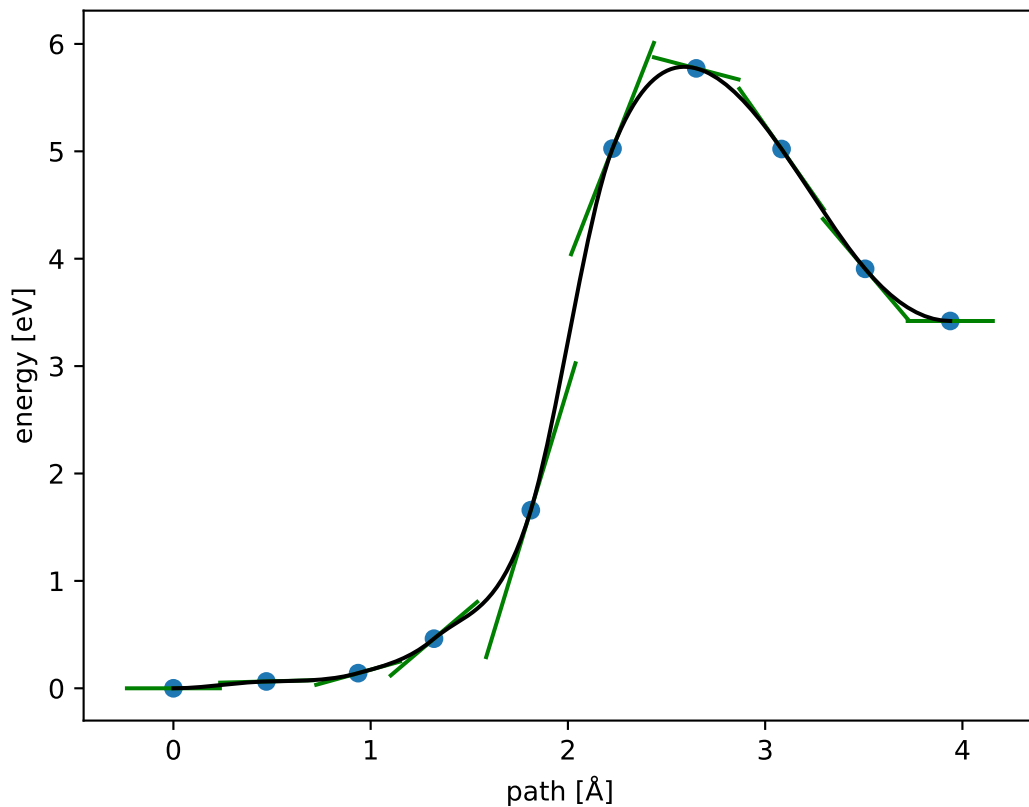
$$E_f \approx 5.957 \text{ eV}; E_r \approx 2.537 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



$$E_f \approx 5.897 \text{ eV}; E_r \approx 2.477 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

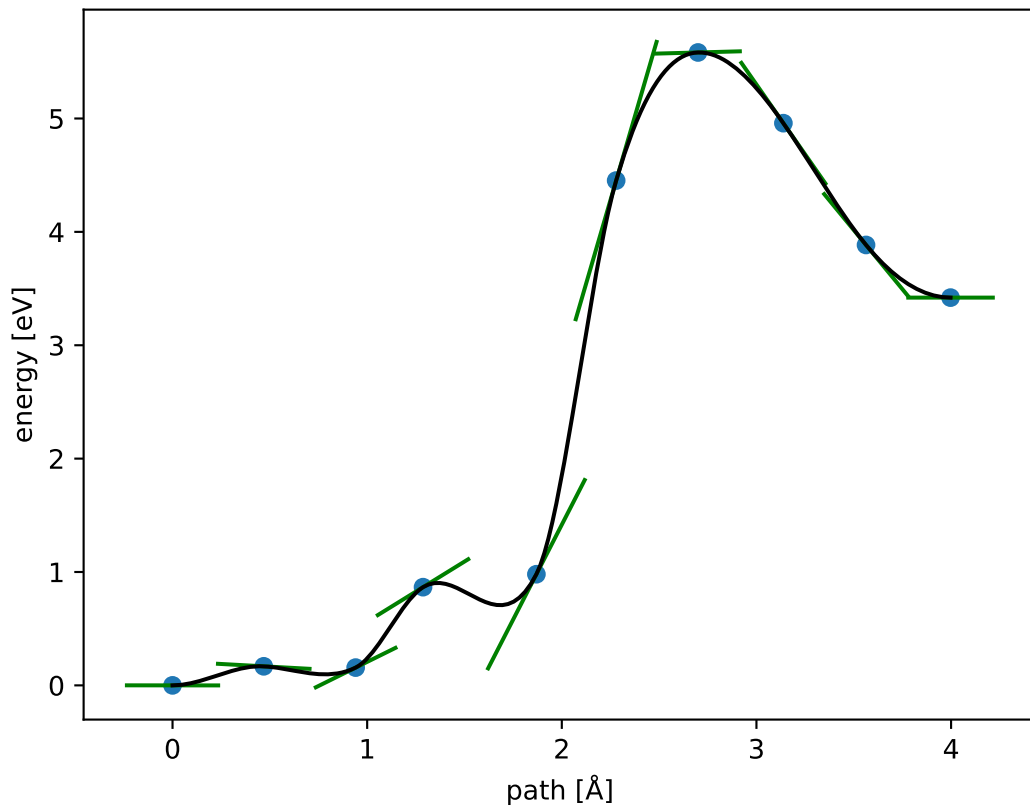


$$E_f \approx 5.772 \text{ eV}; E_r \approx 2.352 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

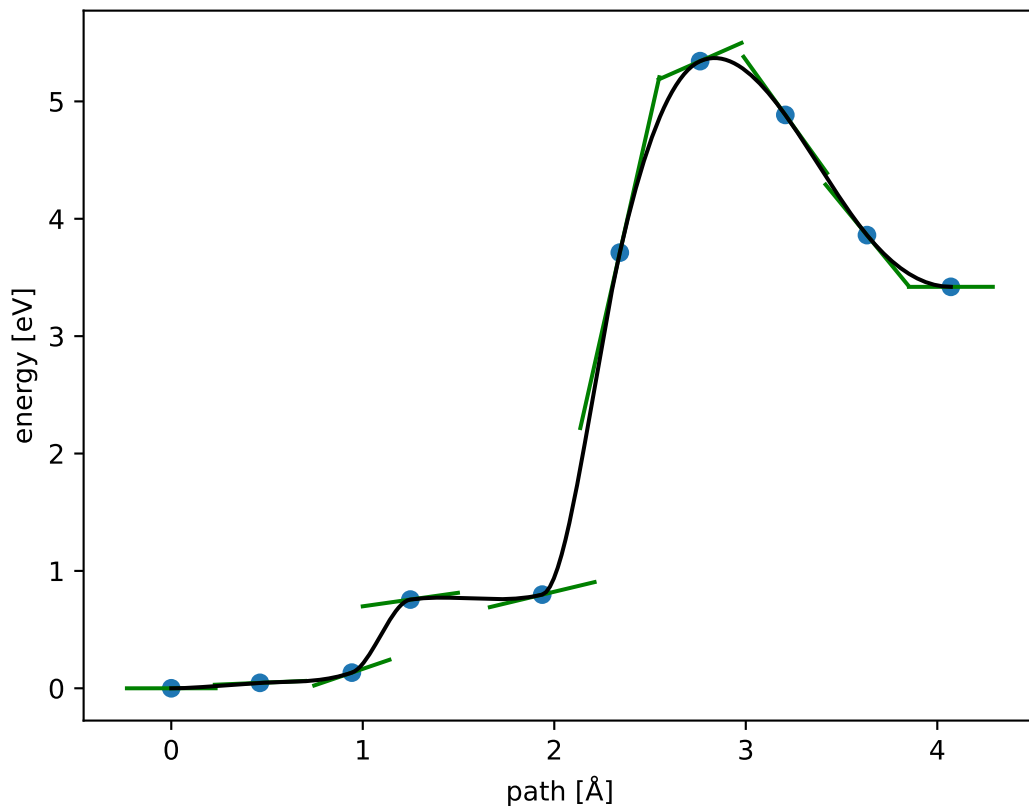




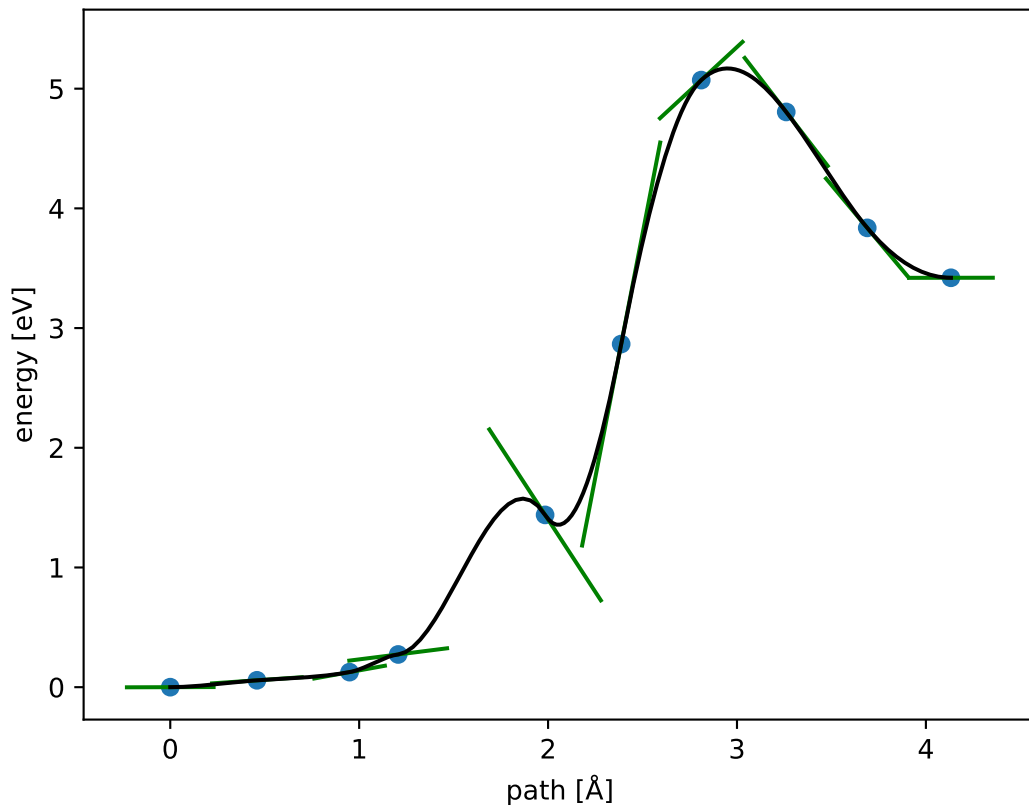
$$E_f \approx 5.582 \text{ eV}; E_r \approx 2.162 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



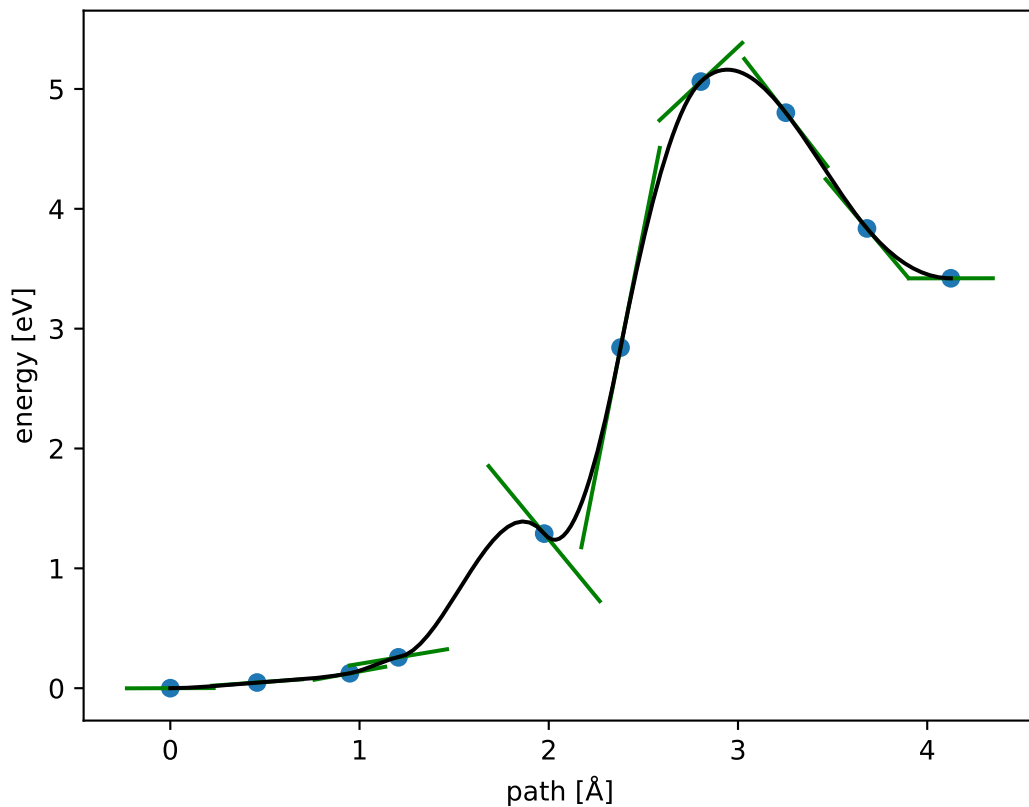
$$E_f \approx 5.343 \text{ eV}; E_r \approx 1.923 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



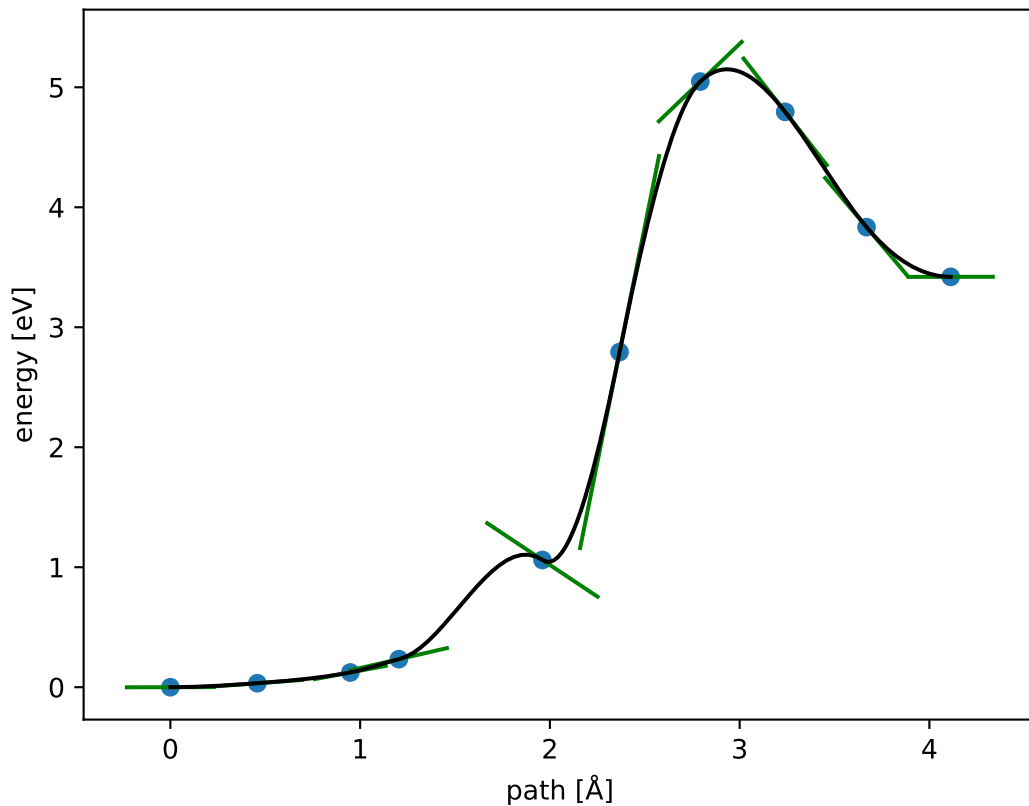
$$E_f \approx 5.072 \text{ eV}; E_r \approx 1.652 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



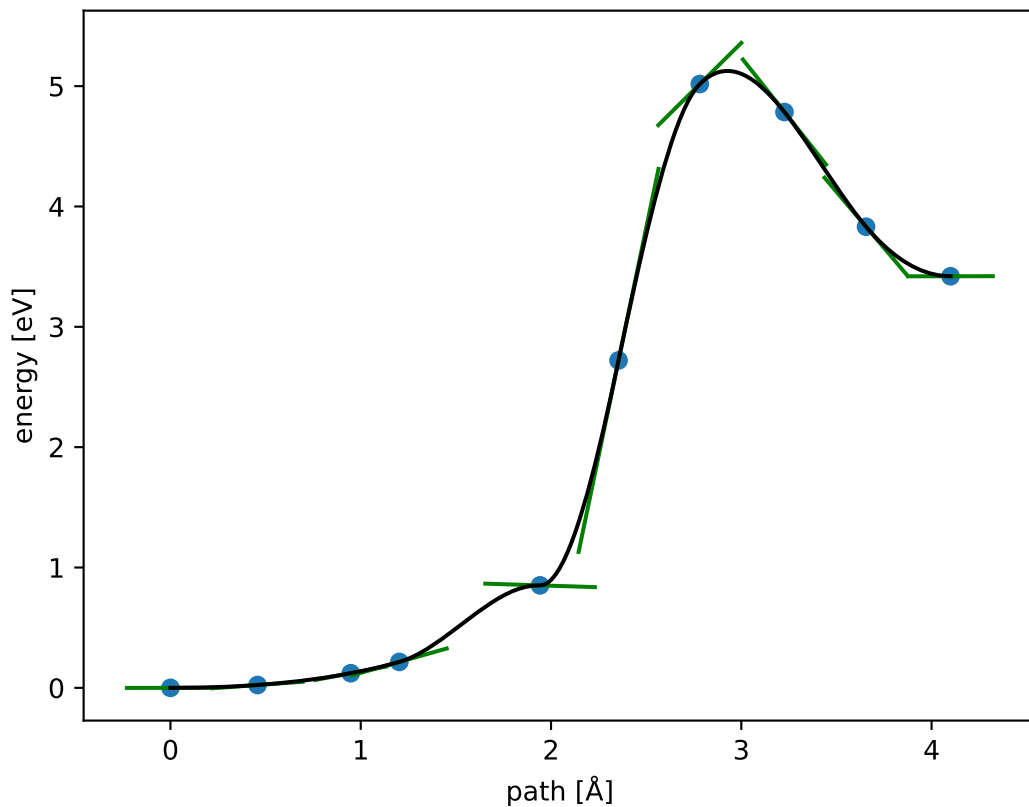
$$E_f \approx 5.062 \text{ eV}; E_r \approx 1.642 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



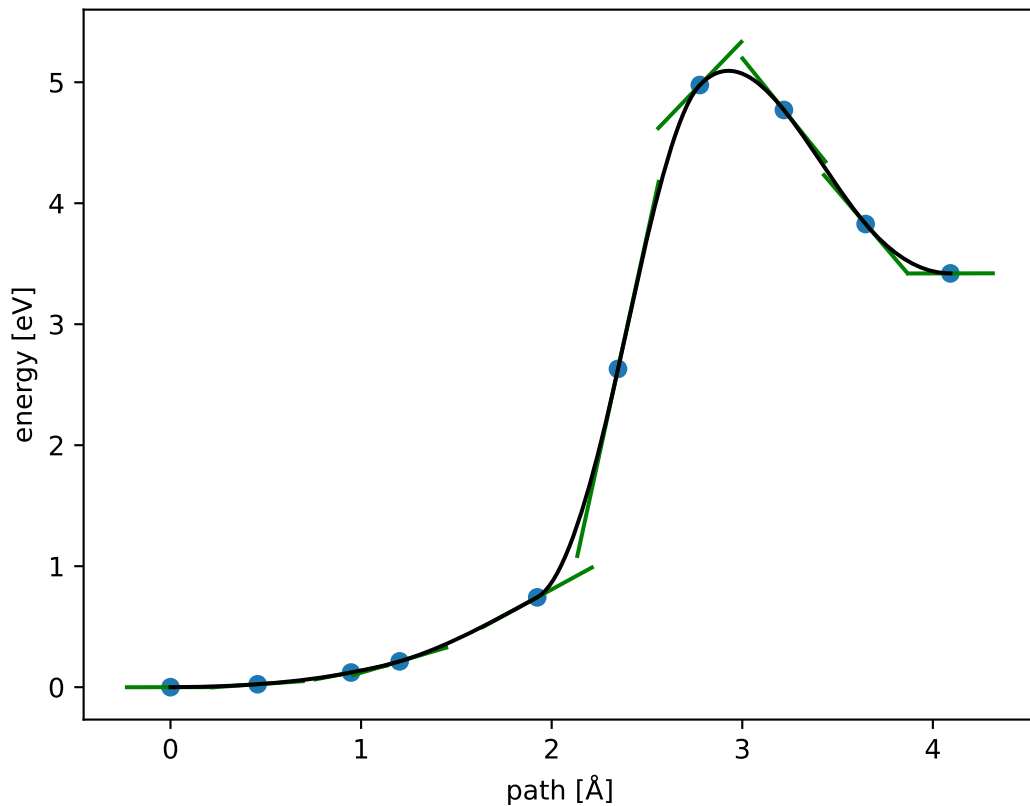
$$E_f \approx 5.048 \text{ eV}; E_r \approx 1.627 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



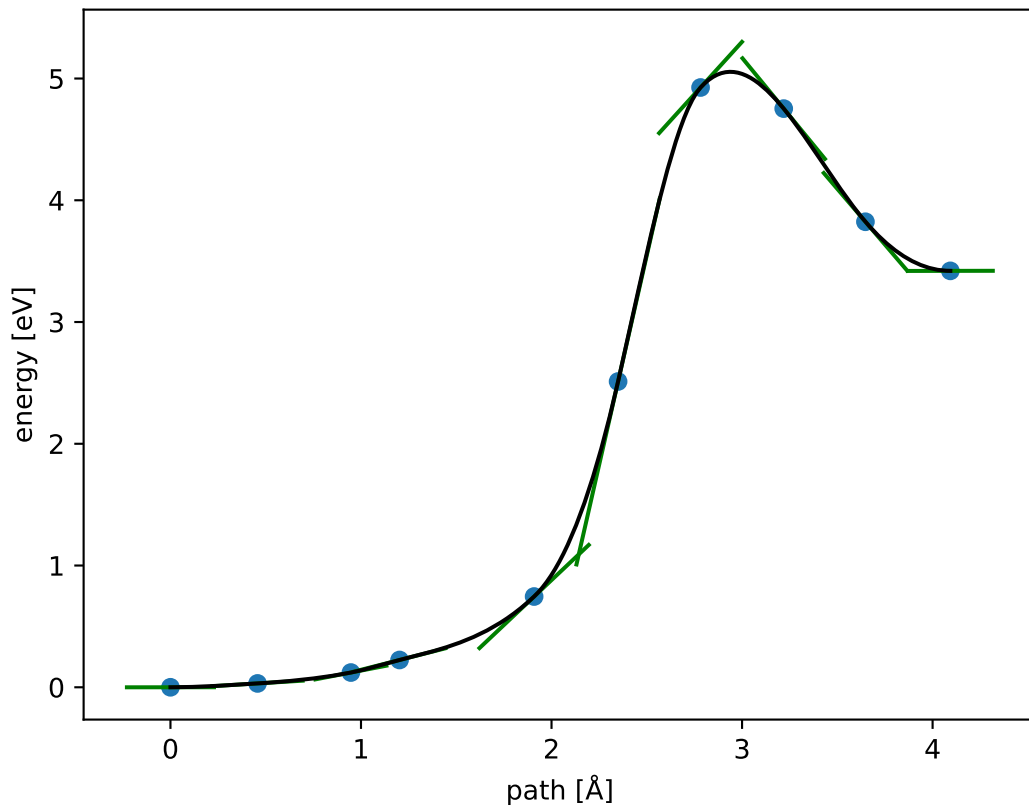
$$E_f \approx 5.017 \text{ eV}; E_r \approx 1.597 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



$$E_f \approx 4.977 \text{ eV}; E_r \approx 1.557 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

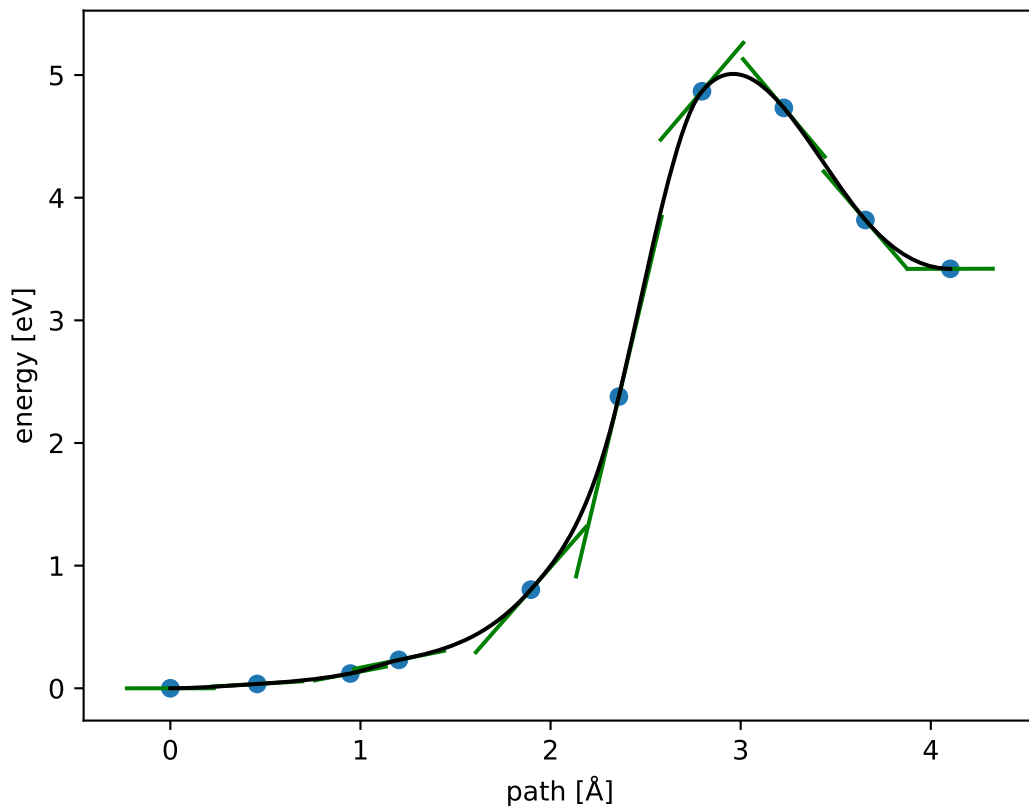


$$E_f \approx 4.926 \text{ eV}; E_r \approx 1.506 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

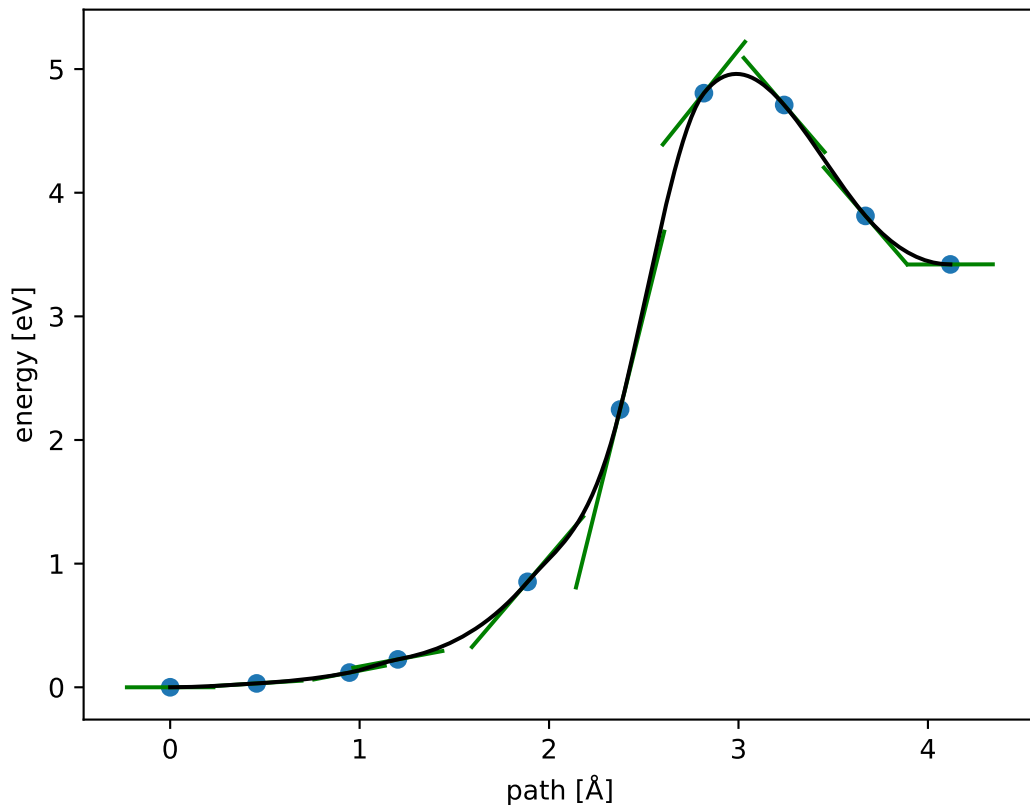




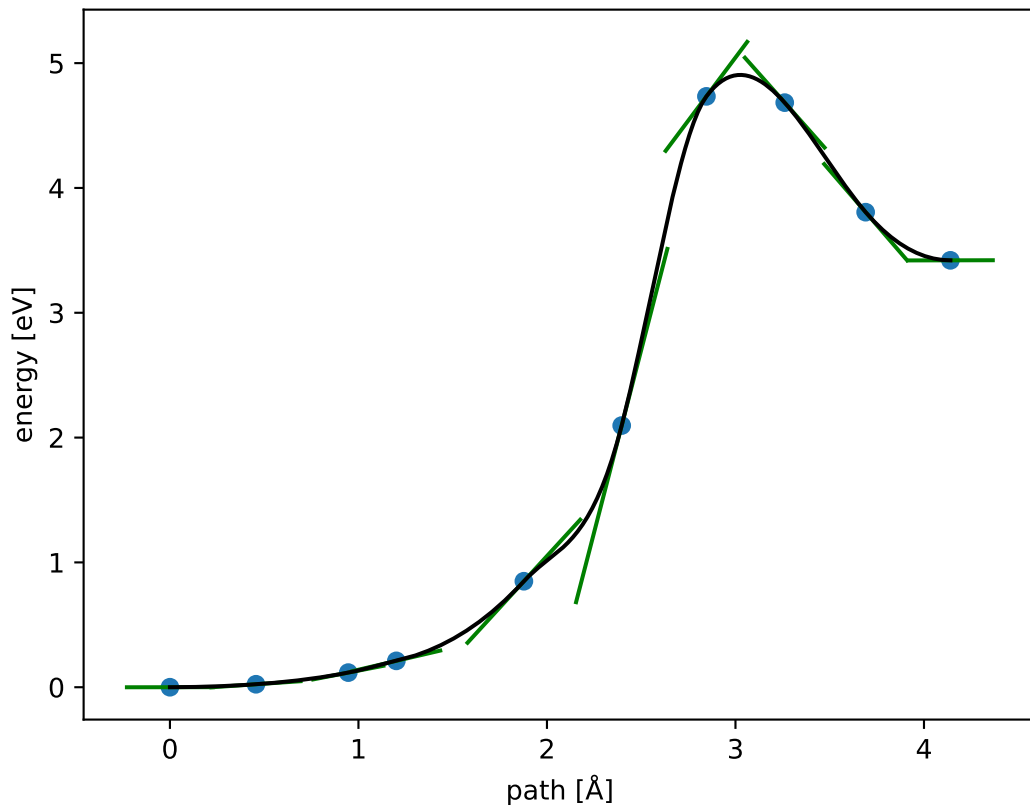
$$E_f \approx 4.868 \text{ eV}; E_r \approx 1.448 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



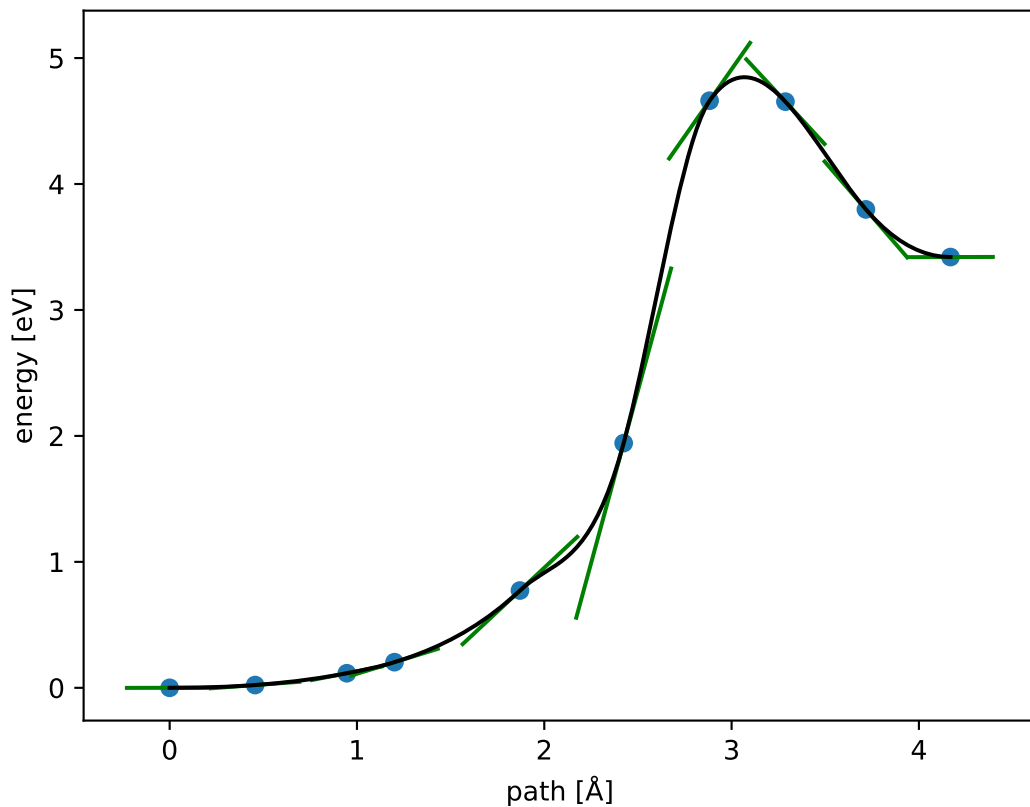
$$E_f \approx 4.805 \text{ eV}; E_r \approx 1.385 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



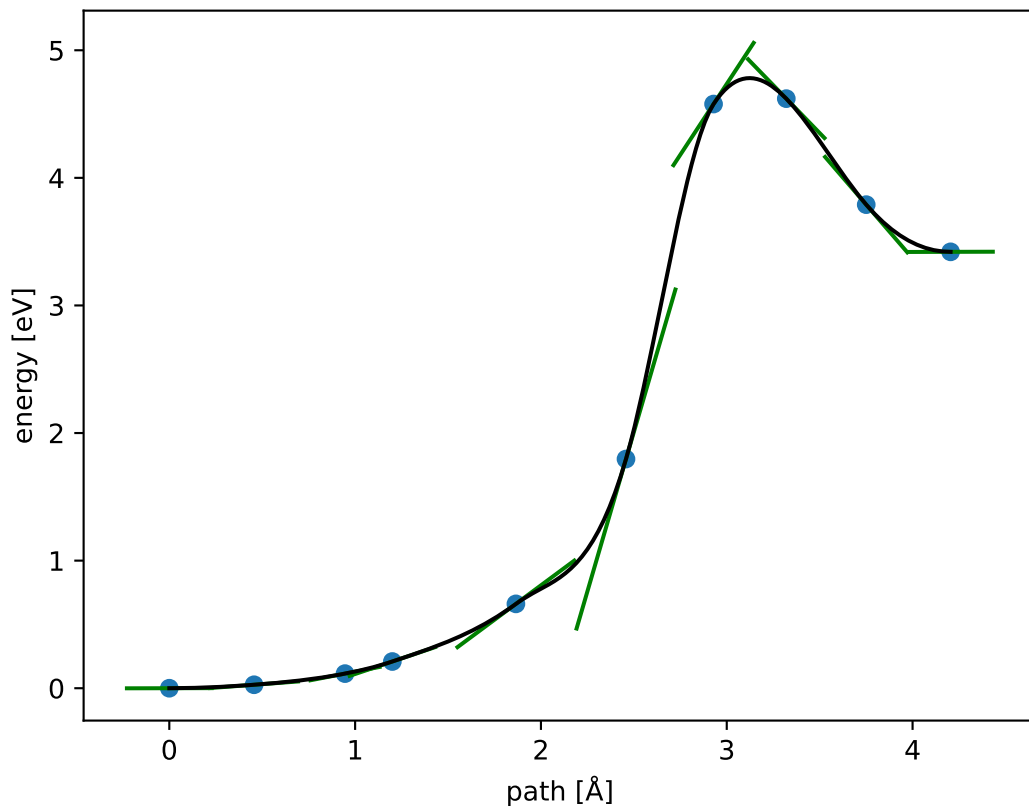
$$E_f \approx 4.734 \text{ eV}; E_r \approx 1.314 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



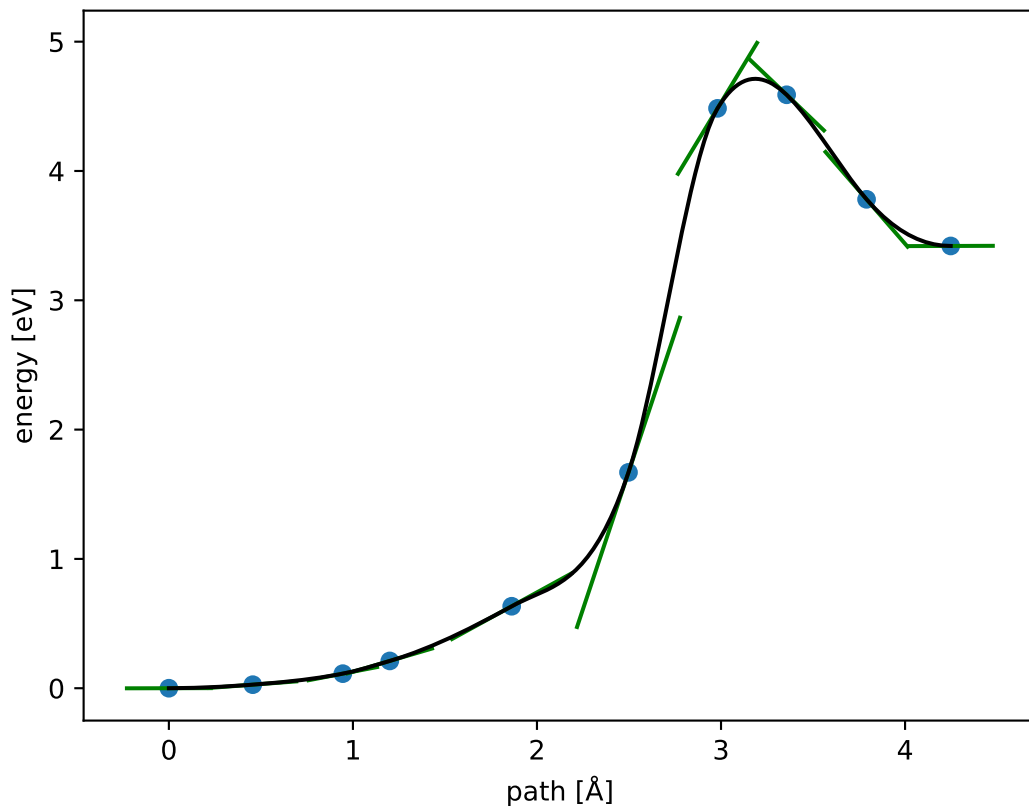
$$E_f \approx 4.661 \text{ eV}; E_r \approx 1.241 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



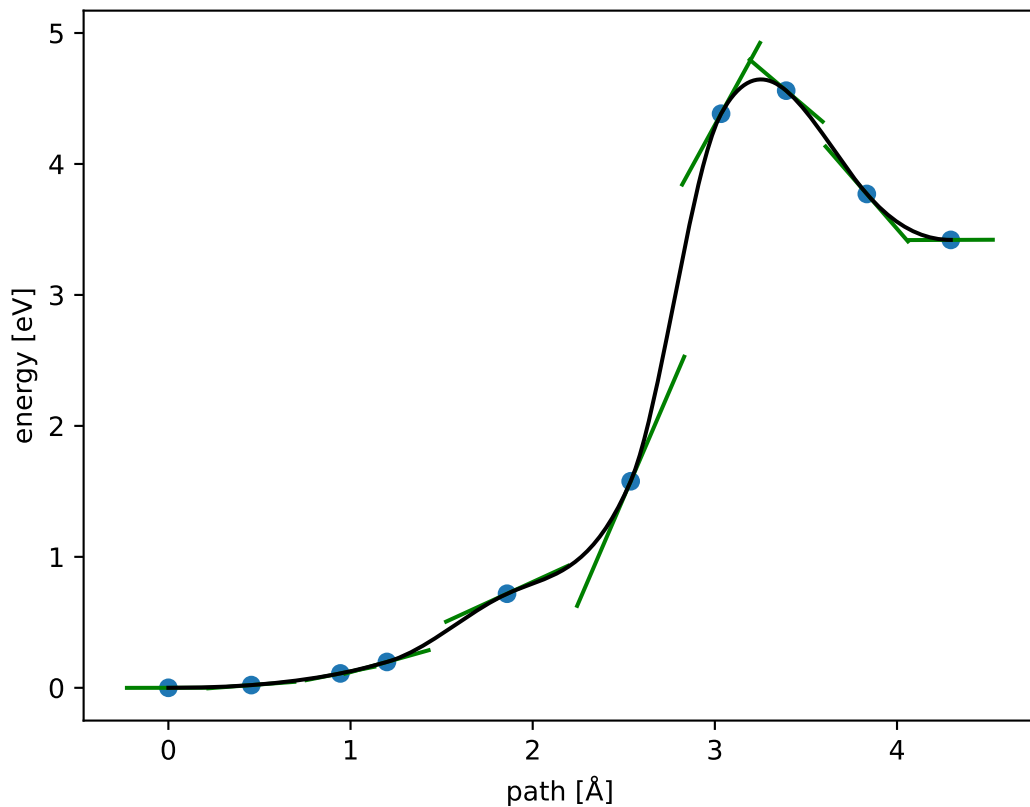
$$E_f \approx 4.621 \text{ eV}; E_r \approx 1.201 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



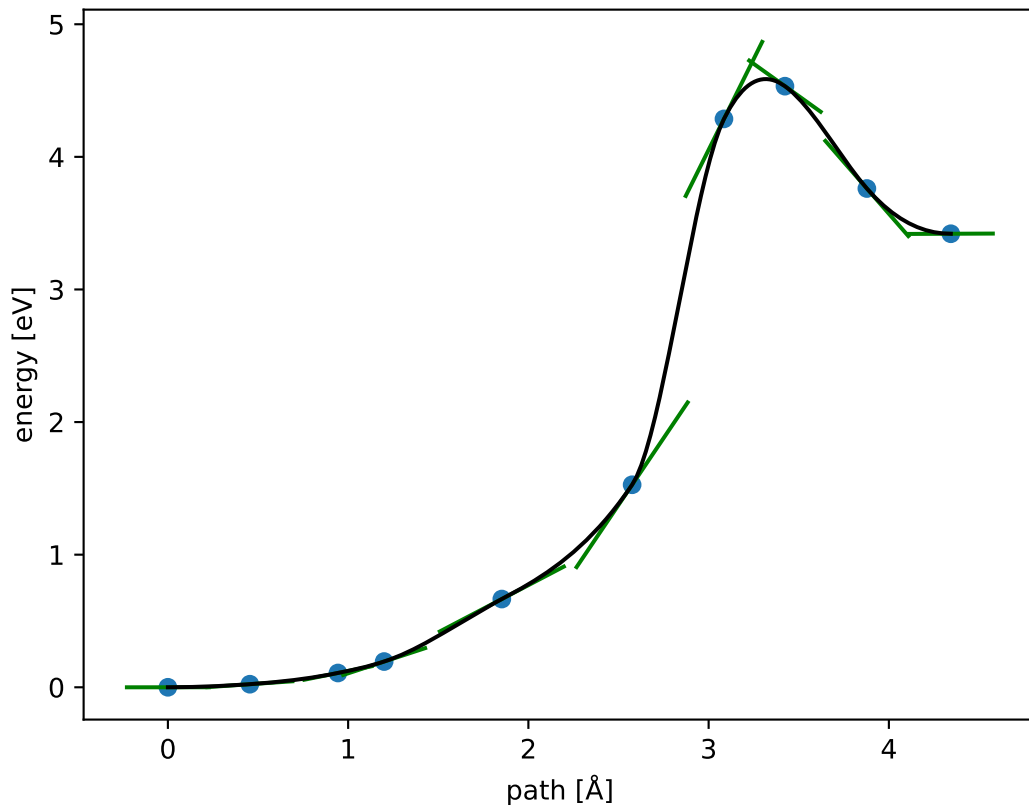
$$E_f \approx 4.589 \text{ eV}; E_r \approx 1.169 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



$$E_f \approx 4.560 \text{ eV}; E_r \approx 1.140 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

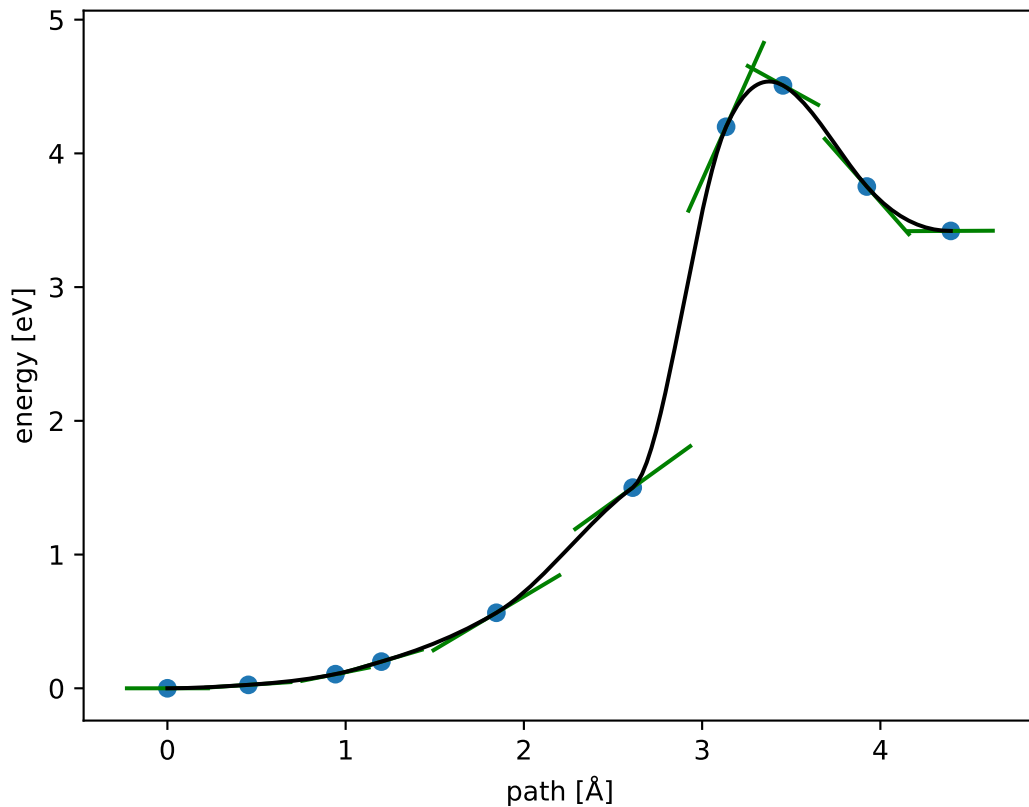


$$E_f \approx 4.533 \text{ eV}; E_r \approx 1.113 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

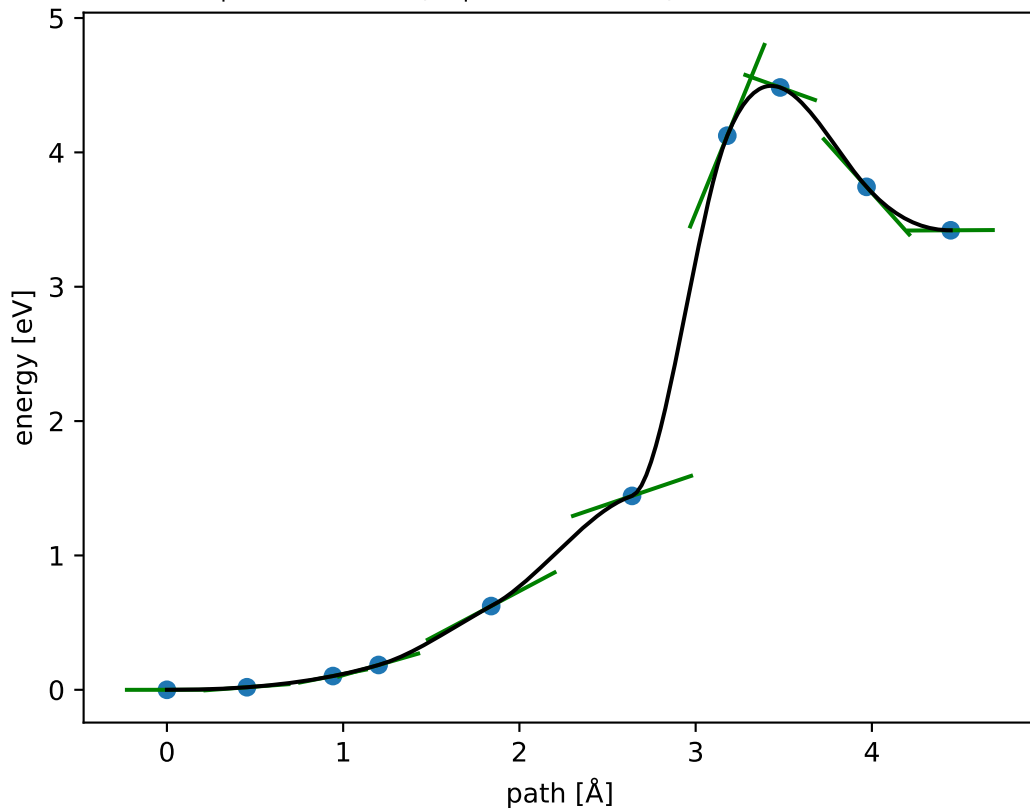




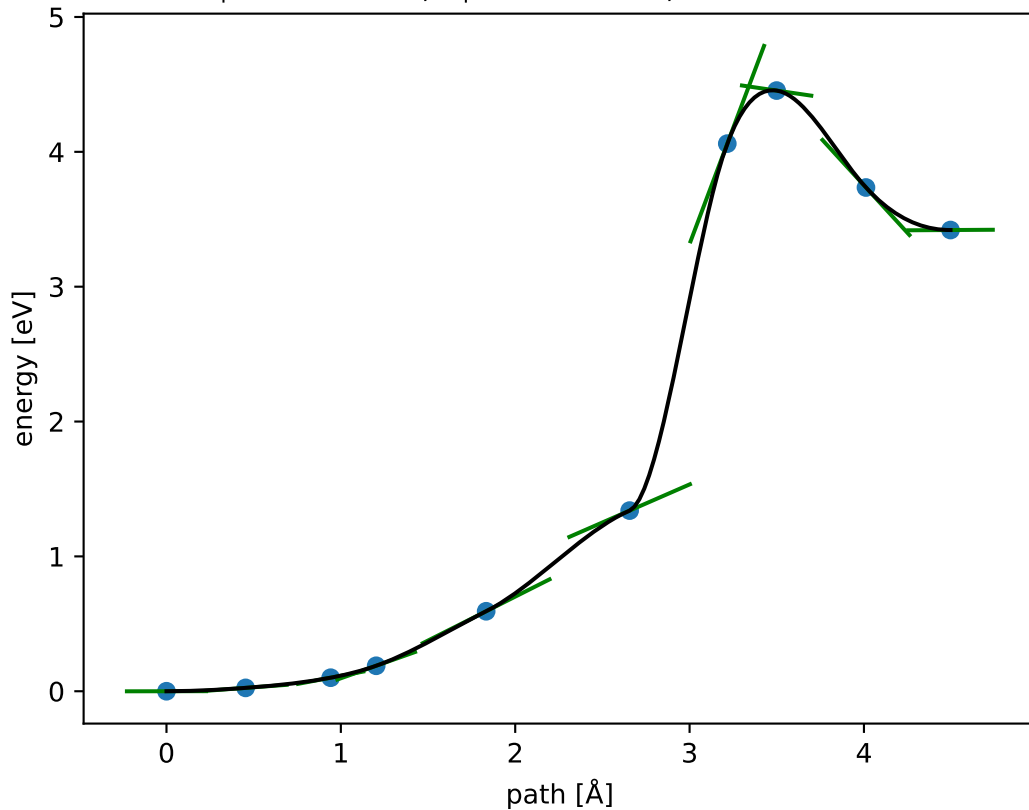
$$E_f \approx 4.508 \text{ eV}; E_r \approx 1.088 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



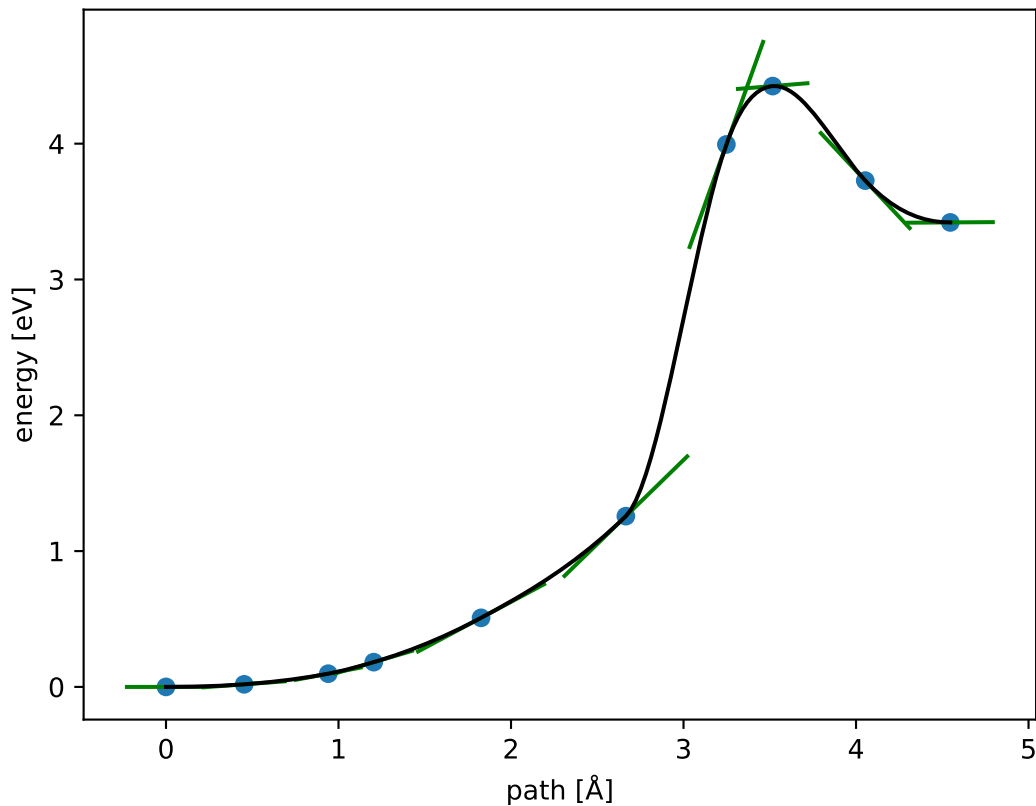
$$E_f \approx 4.483 \text{ eV}; E_r \approx 1.063 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



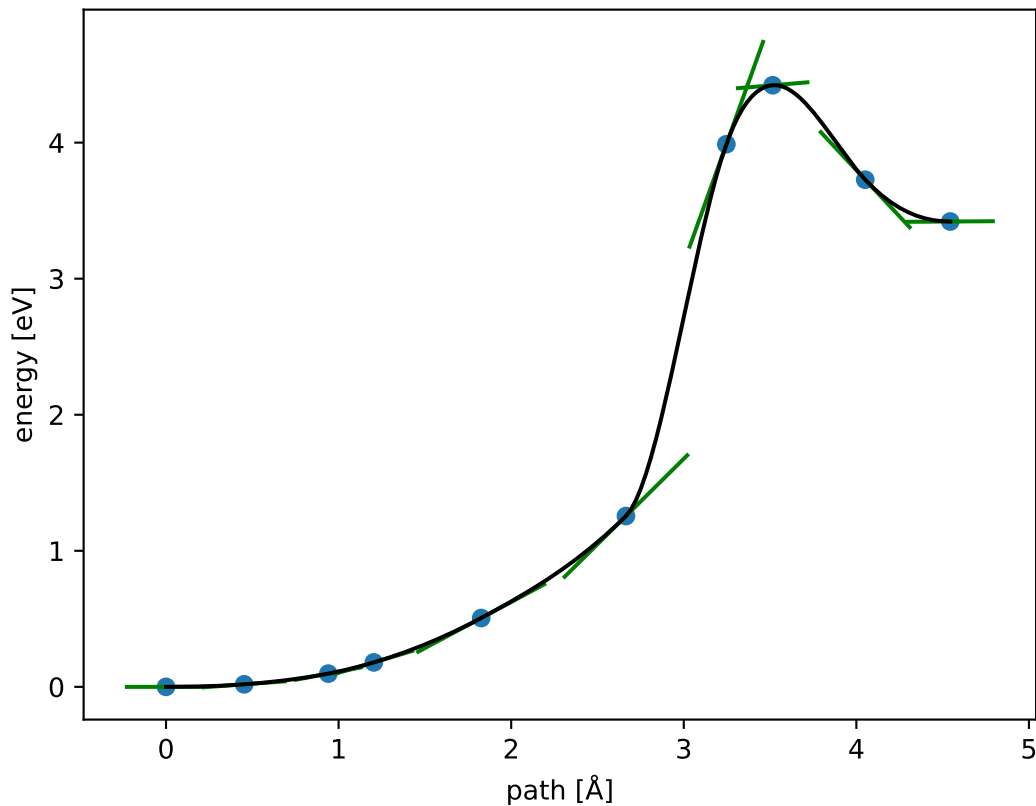
$$E_f \approx 4.454 \text{ eV}; E_r \approx 1.034 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



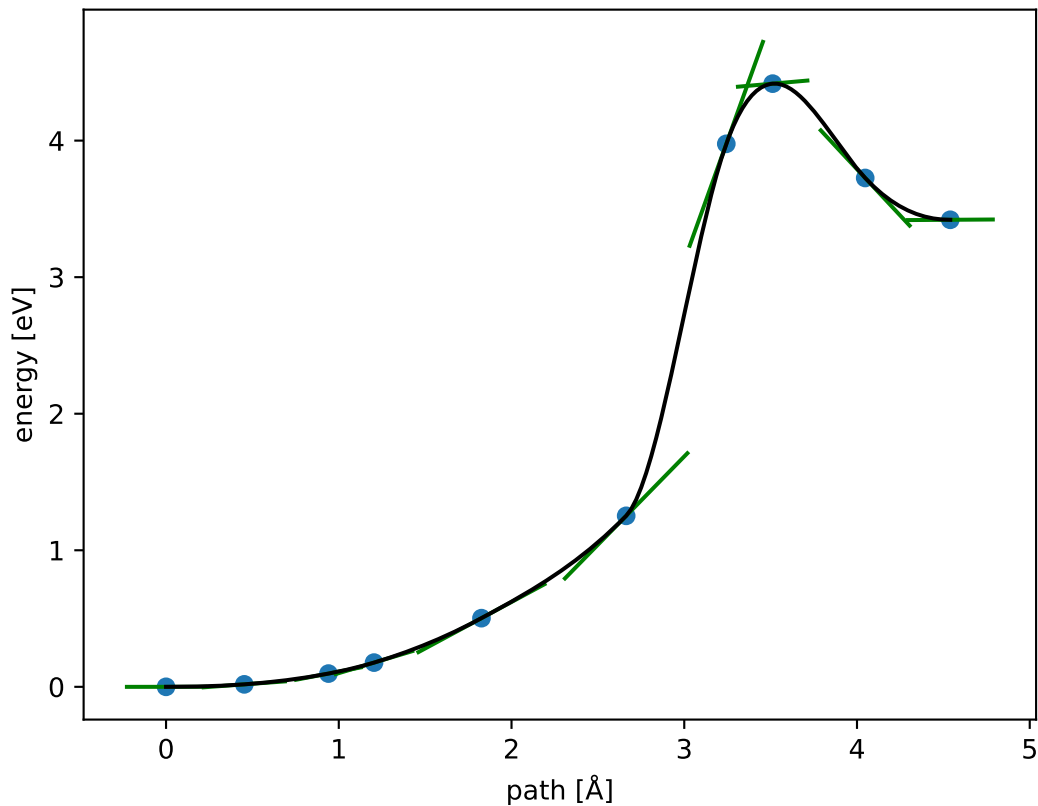
$$E_f \approx 4.424 \text{ eV}; E_r \approx 1.004 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



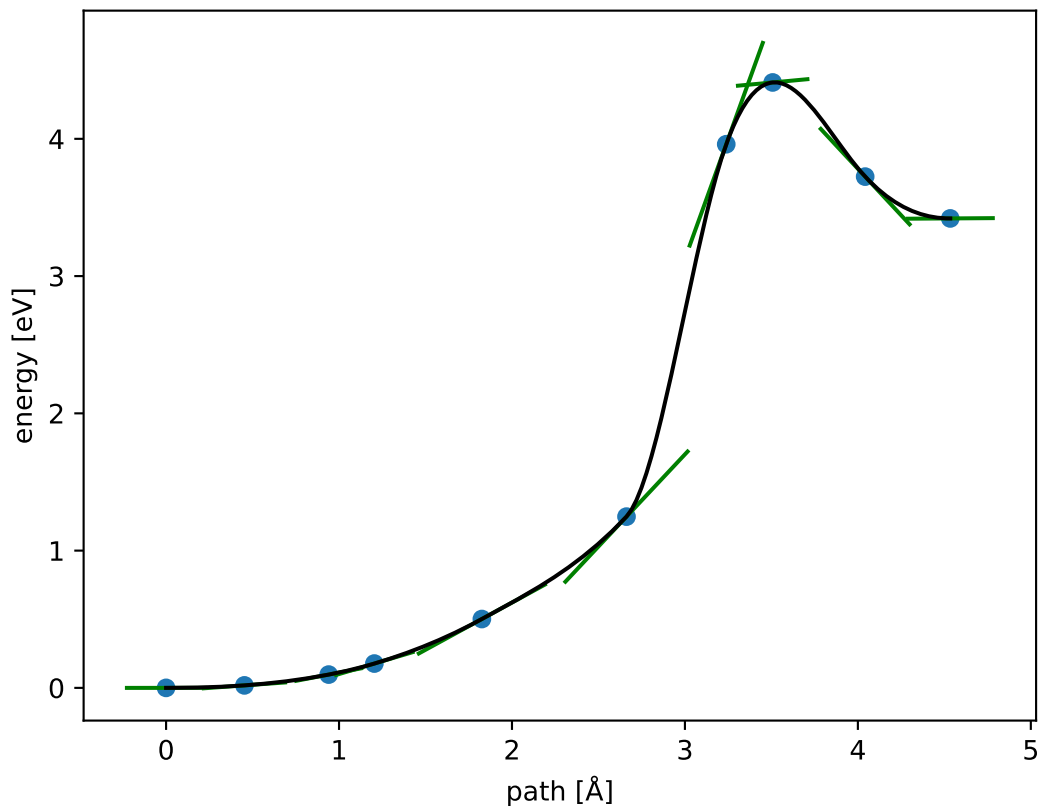
$$E_f \approx 4.422 \text{ eV}; E_r \approx 1.002 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



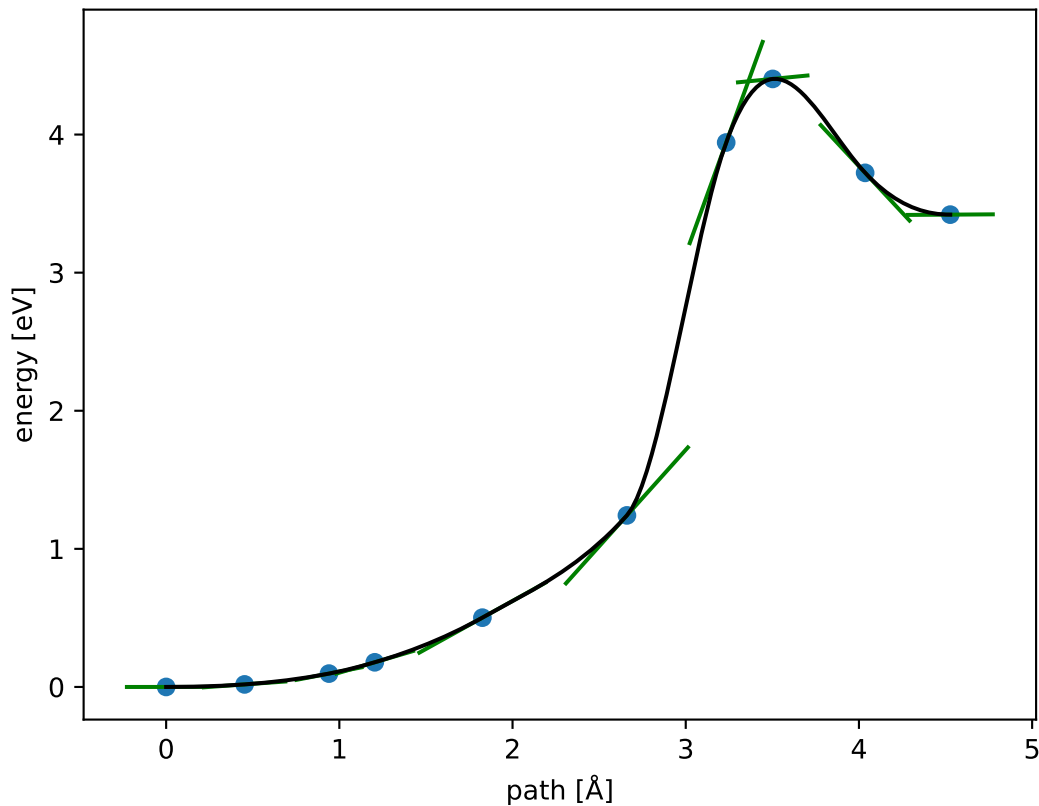
$$E_f \approx 4.417 \text{ eV}; E_r \approx 0.997 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



$$E_f \approx 4.411 \text{ eV}; E_r \approx 0.991 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

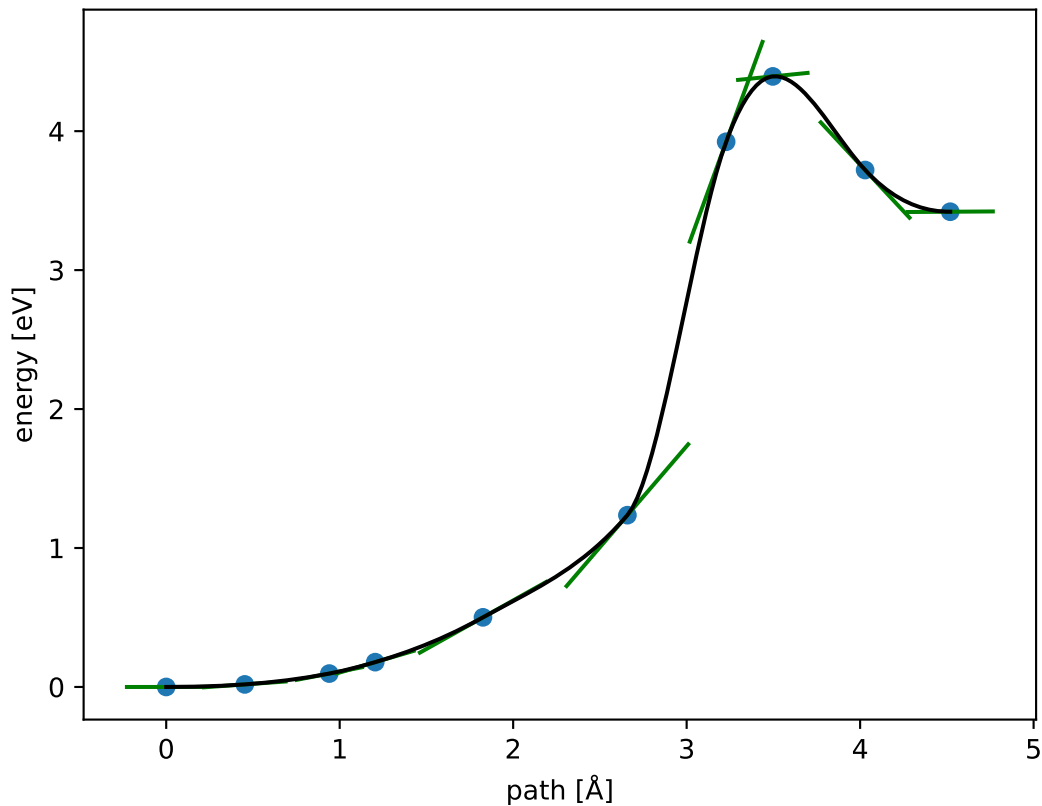


$$E_f \approx 4.403 \text{ eV}; E_r \approx 0.983 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

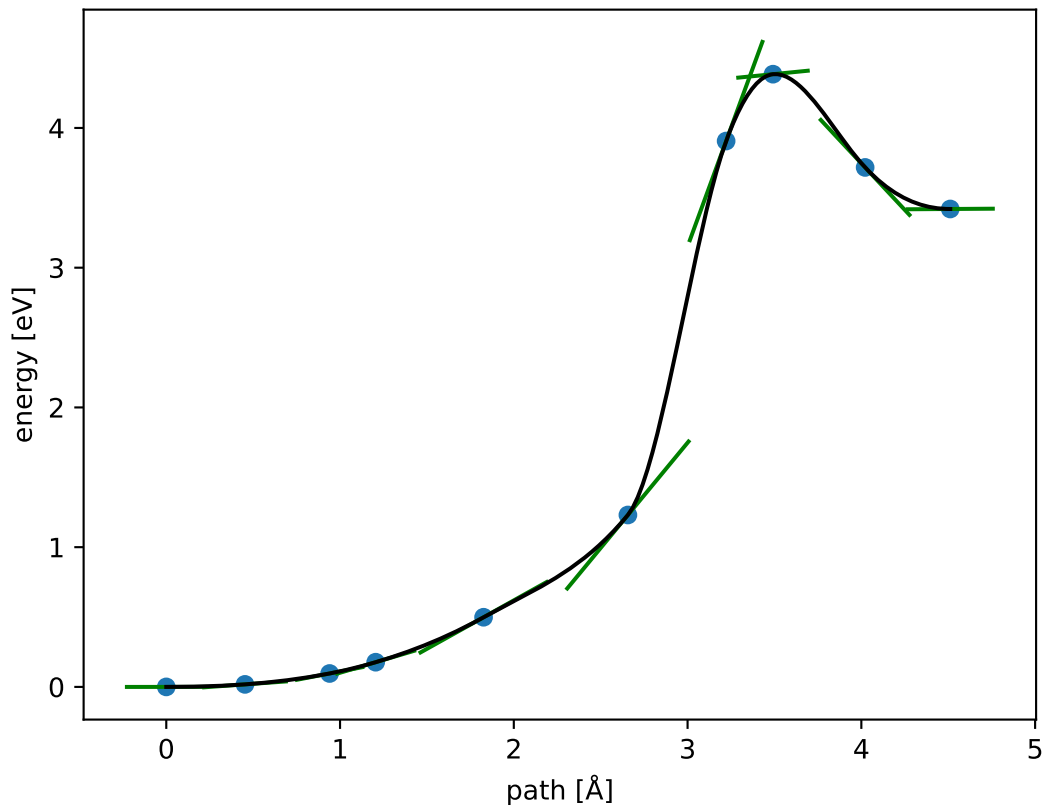




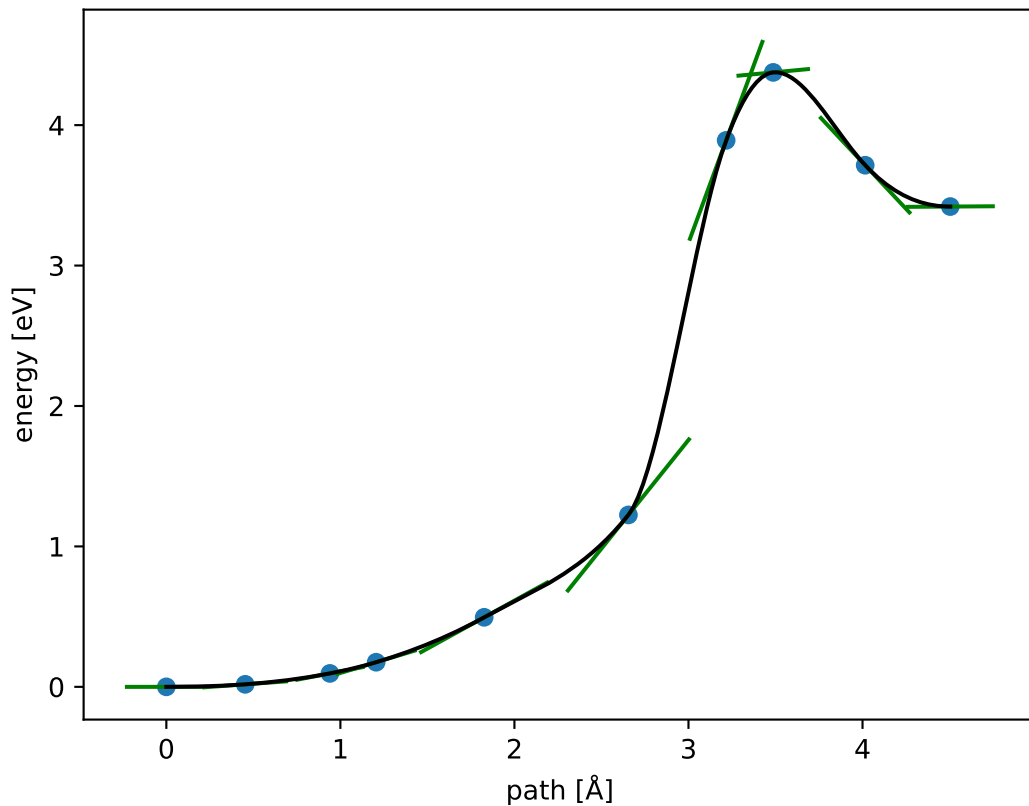
$$E_f \approx 4.394 \text{ eV}; E_r \approx 0.974 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



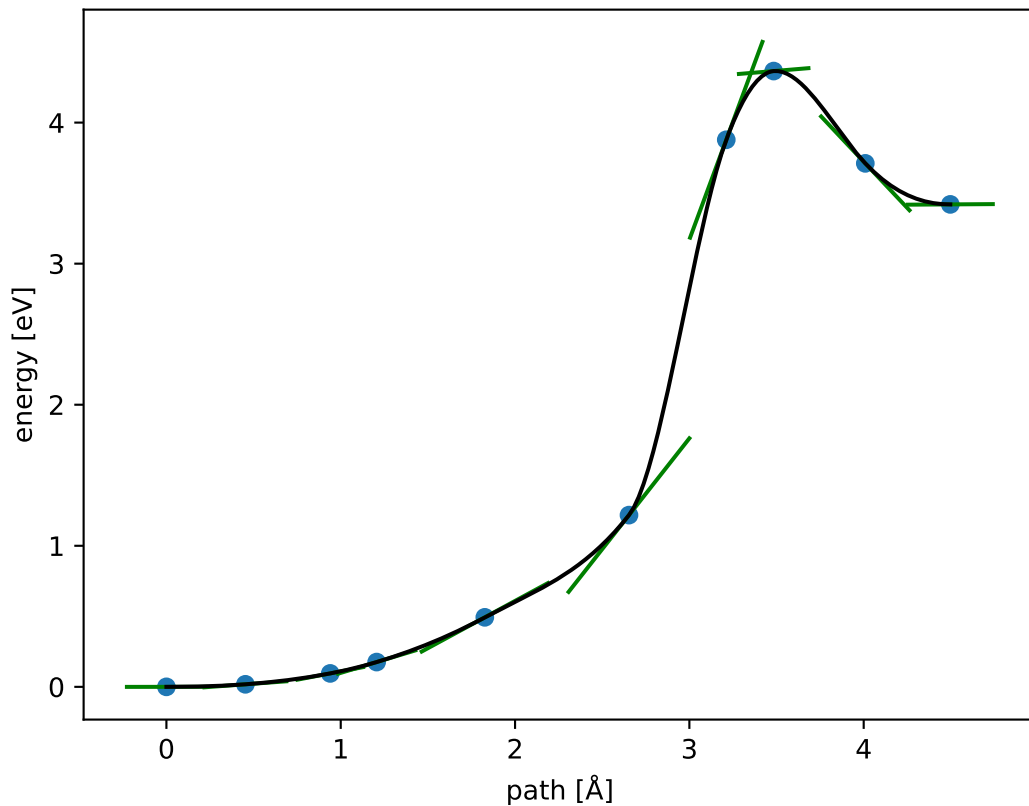
$$E_f \approx 4.385 \text{ eV}; E_r \approx 0.965 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



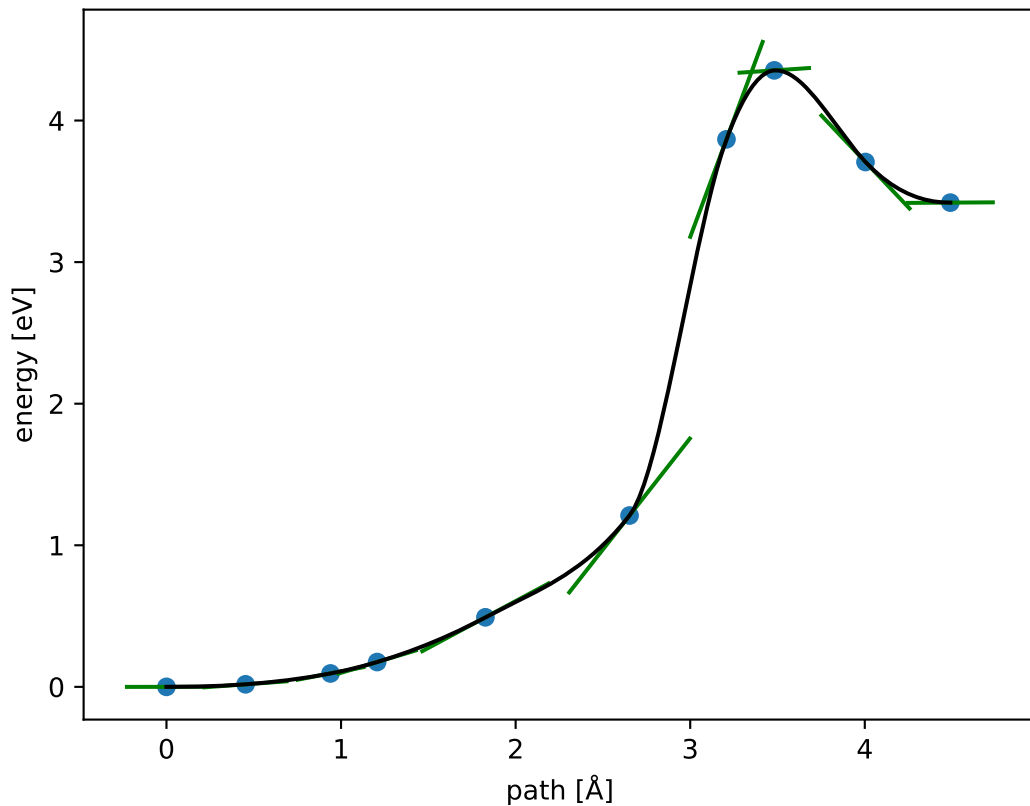
$$E_f \approx 4.376 \text{ eV}; E_r \approx 0.955 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



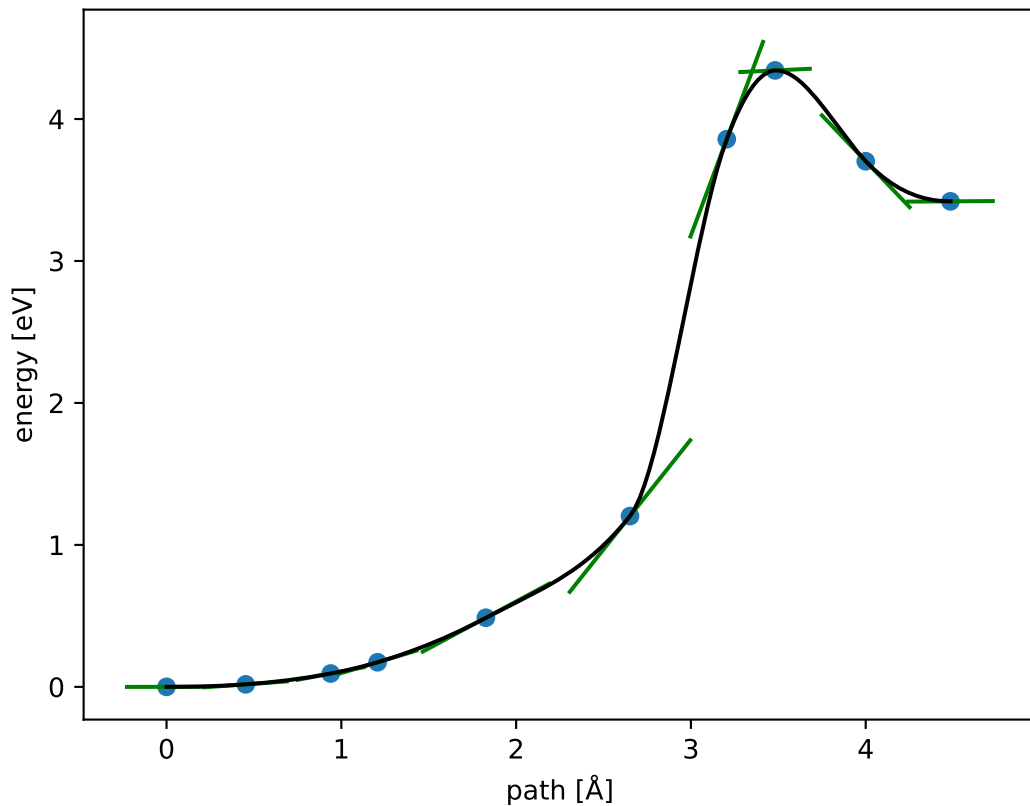
$$E_f \approx 4.365 \text{ eV}; E_r \approx 0.945 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



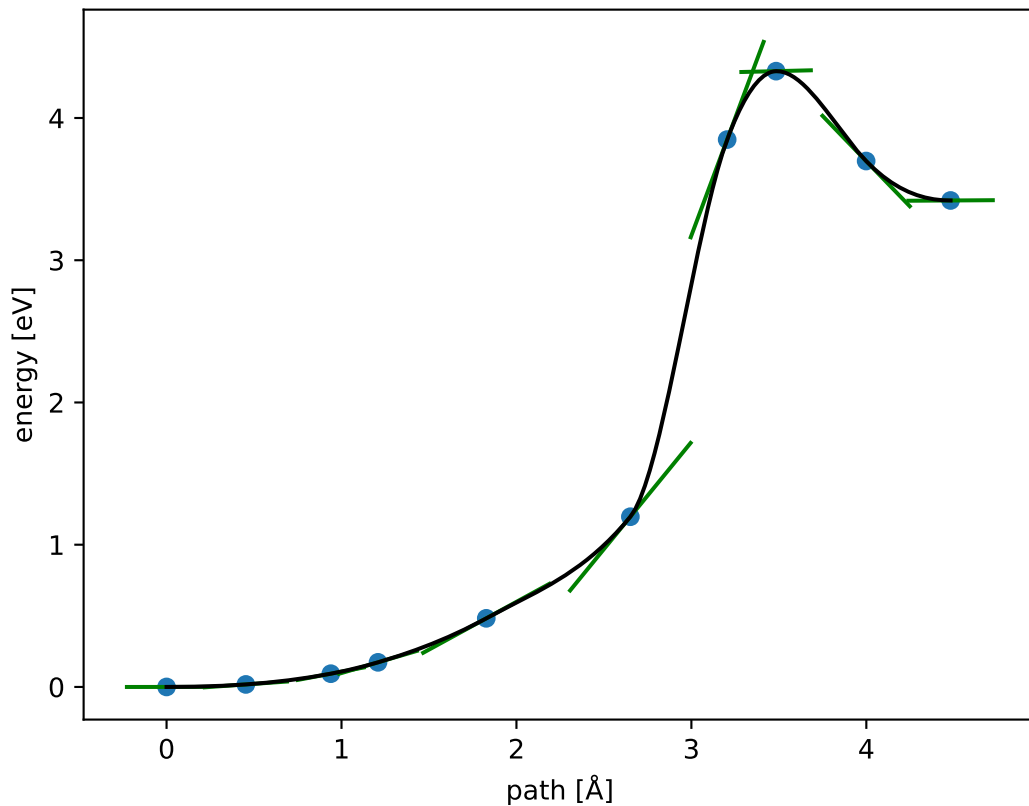
$$E_f \approx 4.354 \text{ eV}; E_r \approx 0.934 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



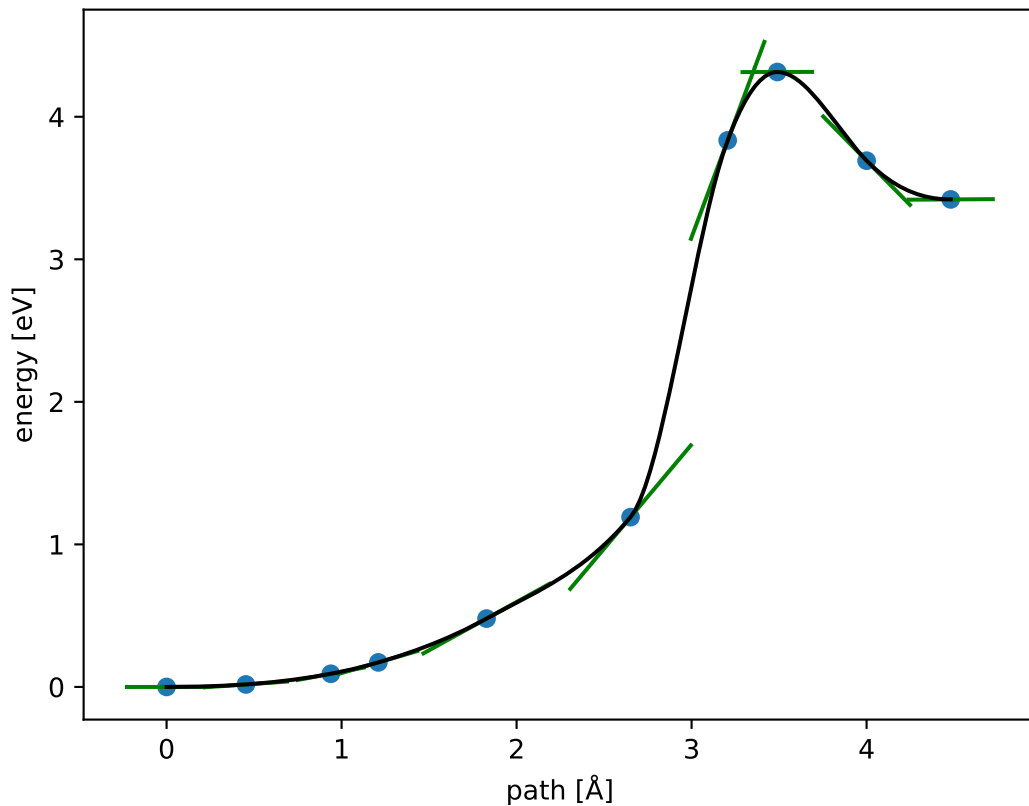
$$E_f \approx 4.342 \text{ eV}; E_r \approx 0.922 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



$$E_f \approx 4.329 \text{ eV}; E_r \approx 0.909 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

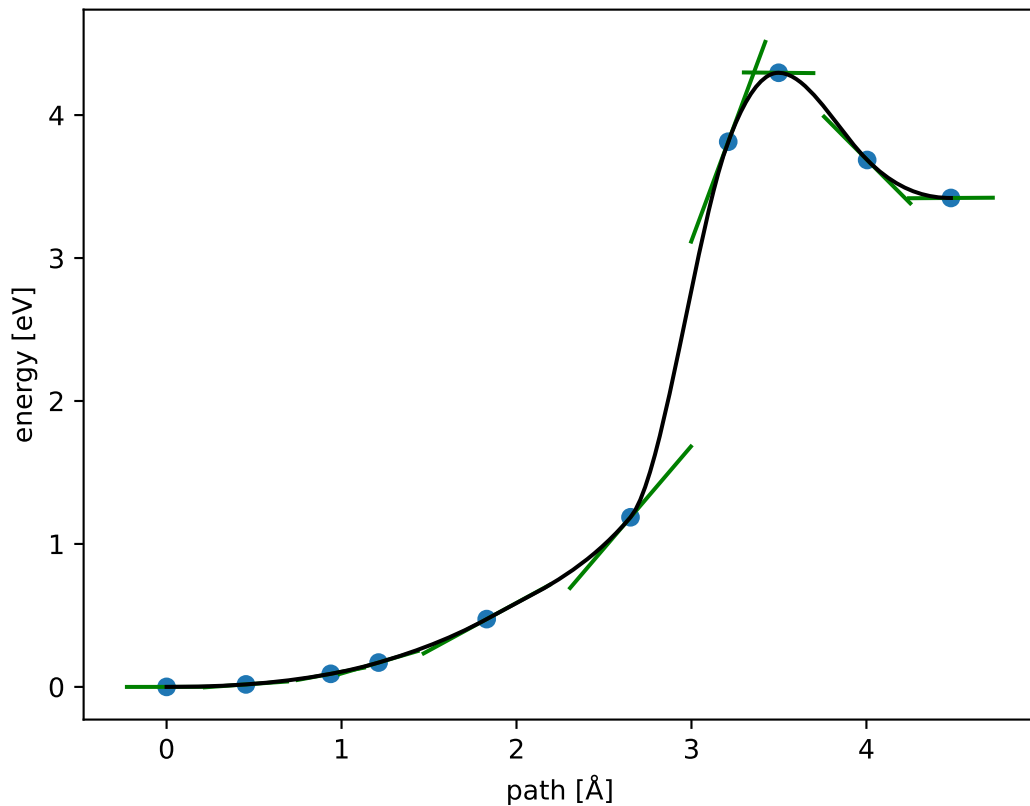


$$E_f \approx 4.314 \text{ eV}; E_r \approx 0.894 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

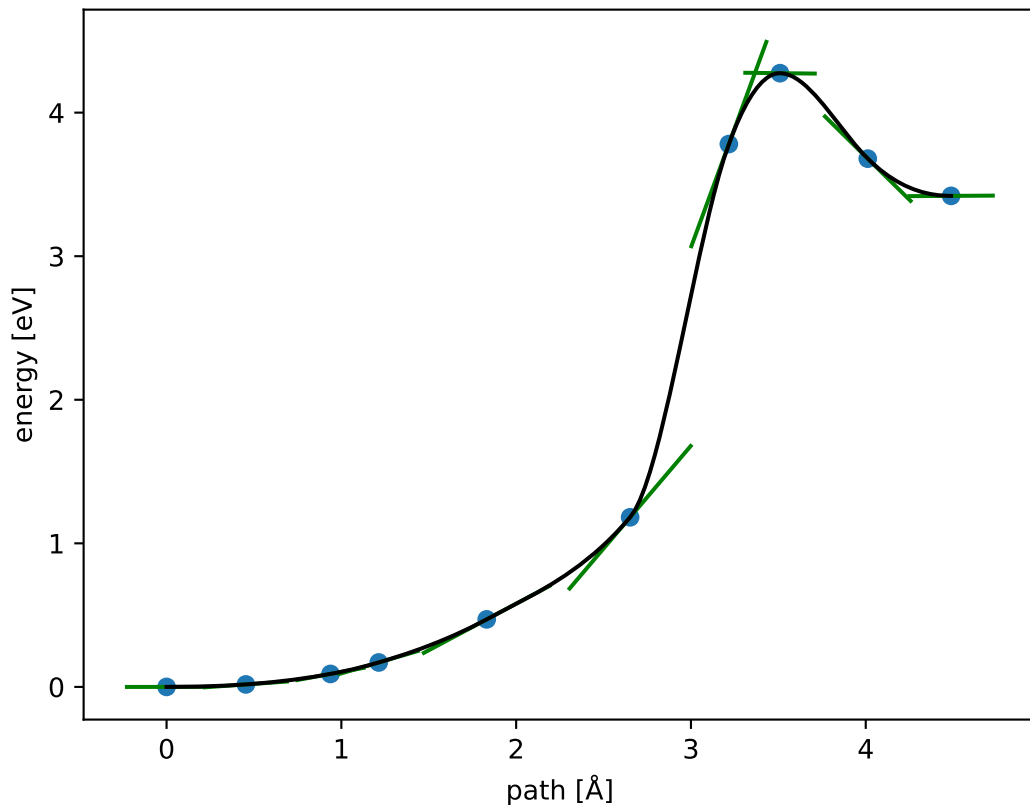




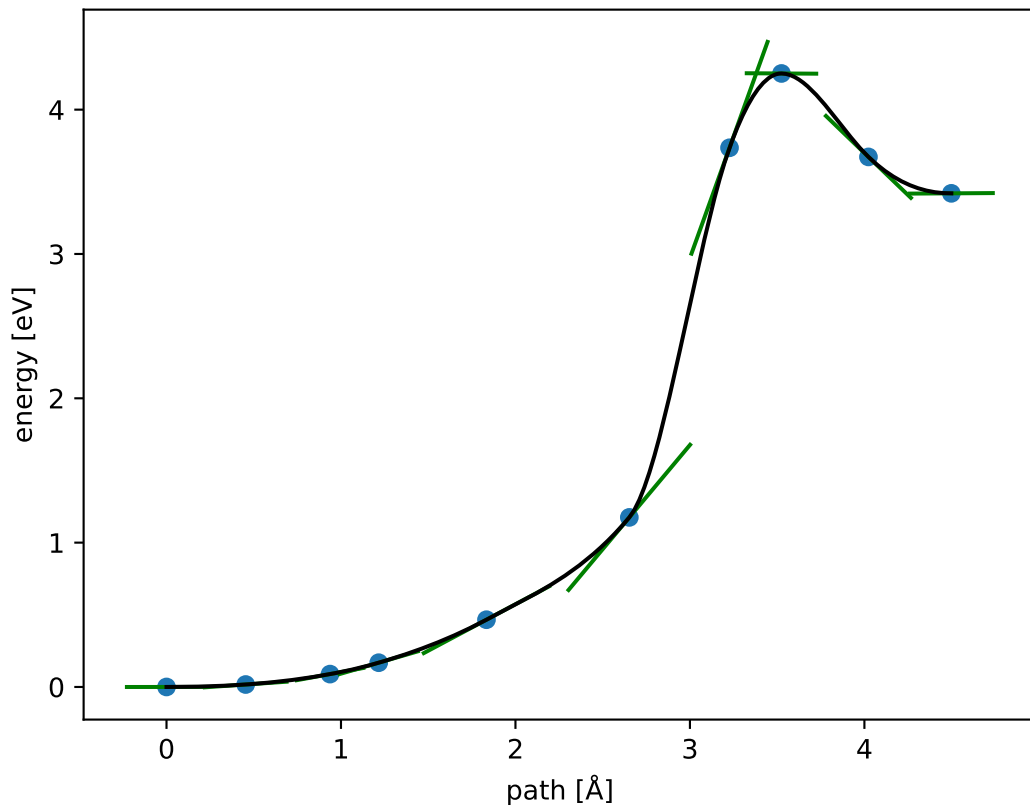
$$E_f \approx 4.296 \text{ eV}; E_r \approx 0.876 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



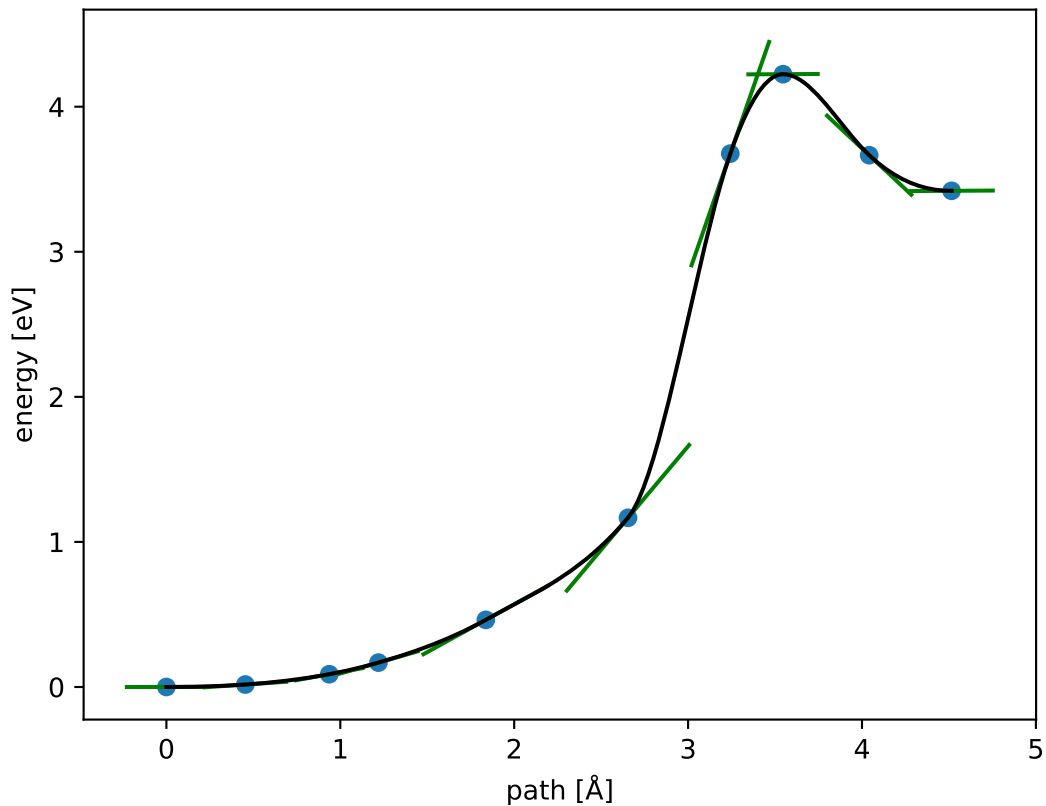
$$E_f \approx 4.275 \text{ eV}; E_r \approx 0.855 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



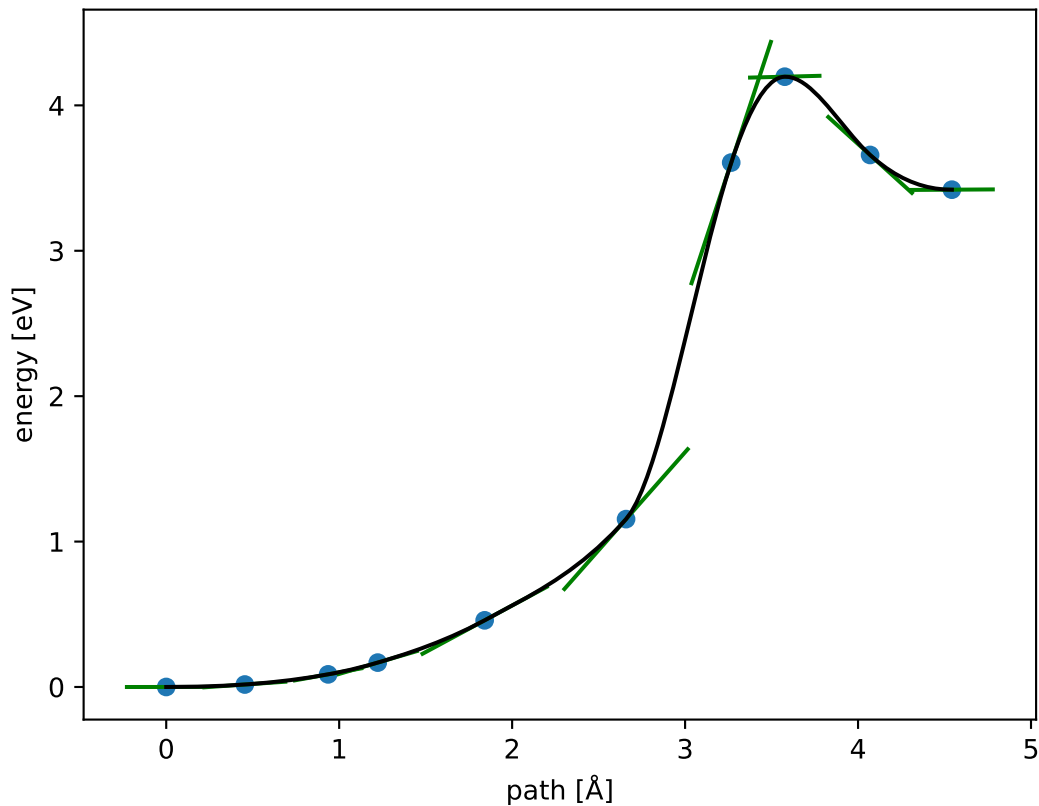
$$E_f \approx 4.251 \text{ eV}; E_r \approx 0.831 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



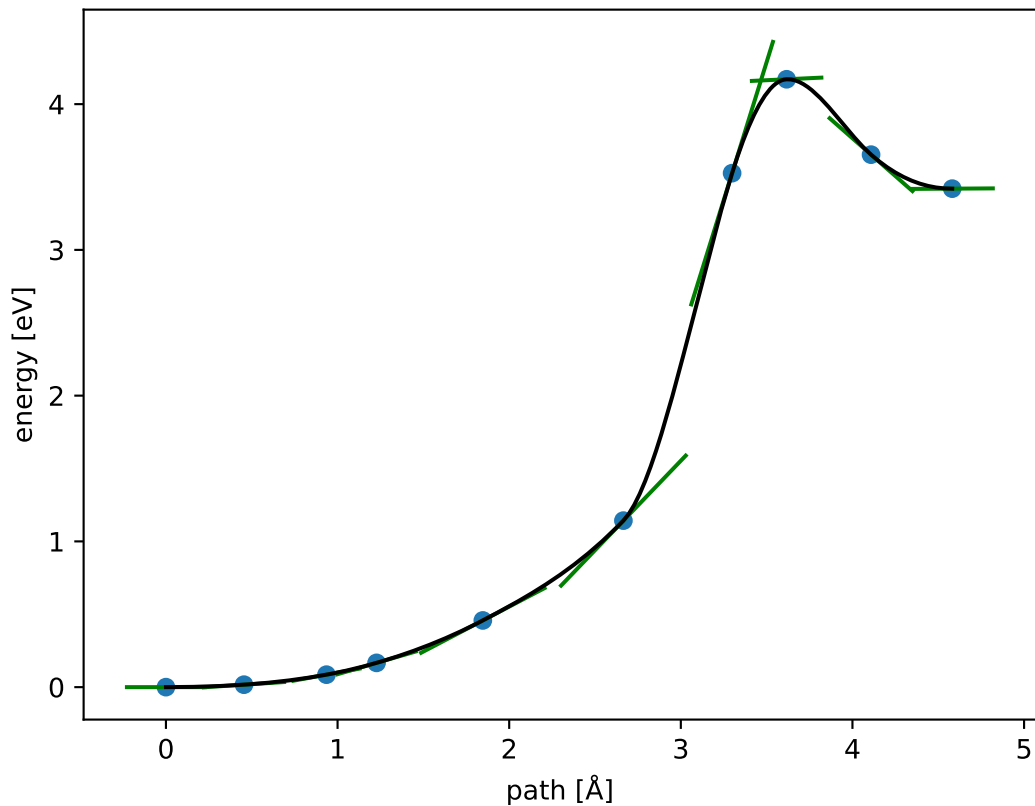
$$E_f \approx 4.224 \text{ eV}; E_r \approx 0.804 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



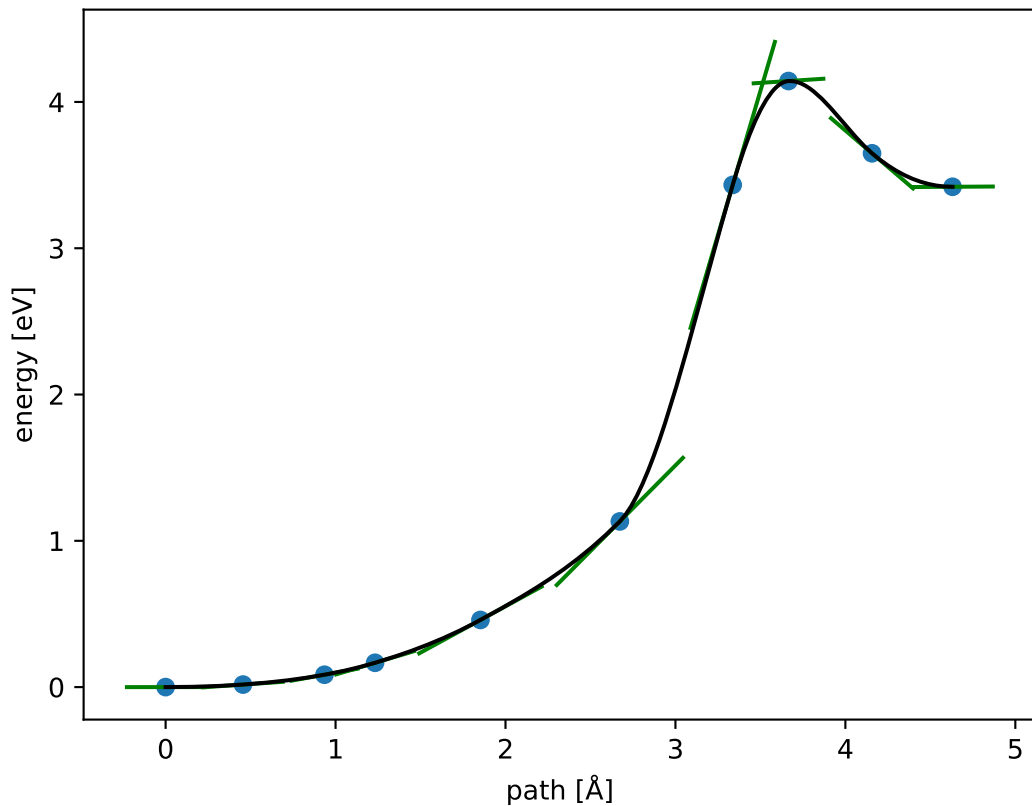
$$E_f \approx 4.197 \text{ eV}; E_r \approx 0.777 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



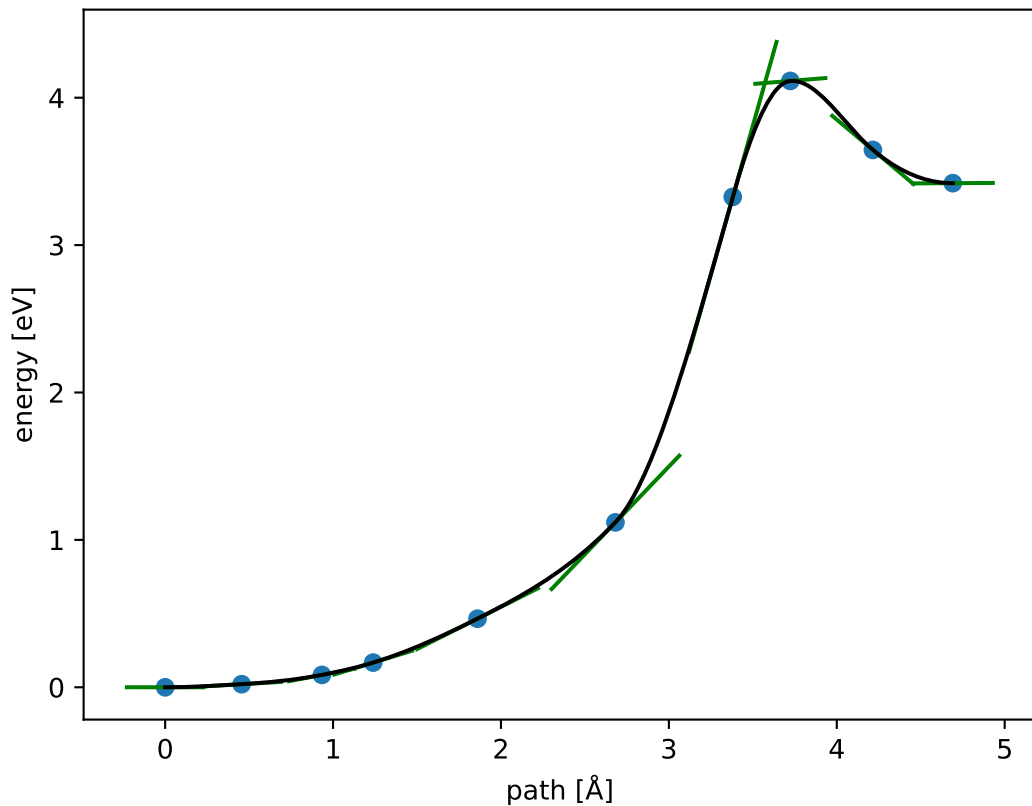
$$E_f \approx 4.171 \text{ eV}; E_r \approx 0.751 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



$$E_f \approx 4.143 \text{ eV}; E_r \approx 0.723 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

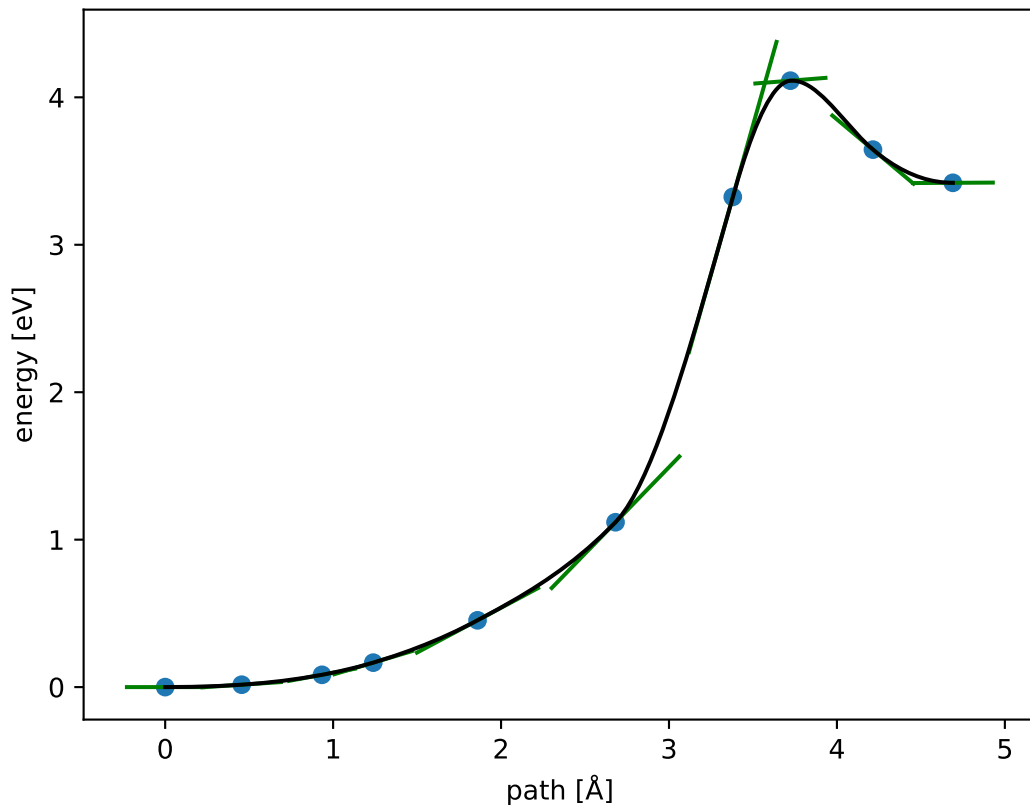


$$E_f \approx 4.114 \text{ eV}; E_r \approx 0.694 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

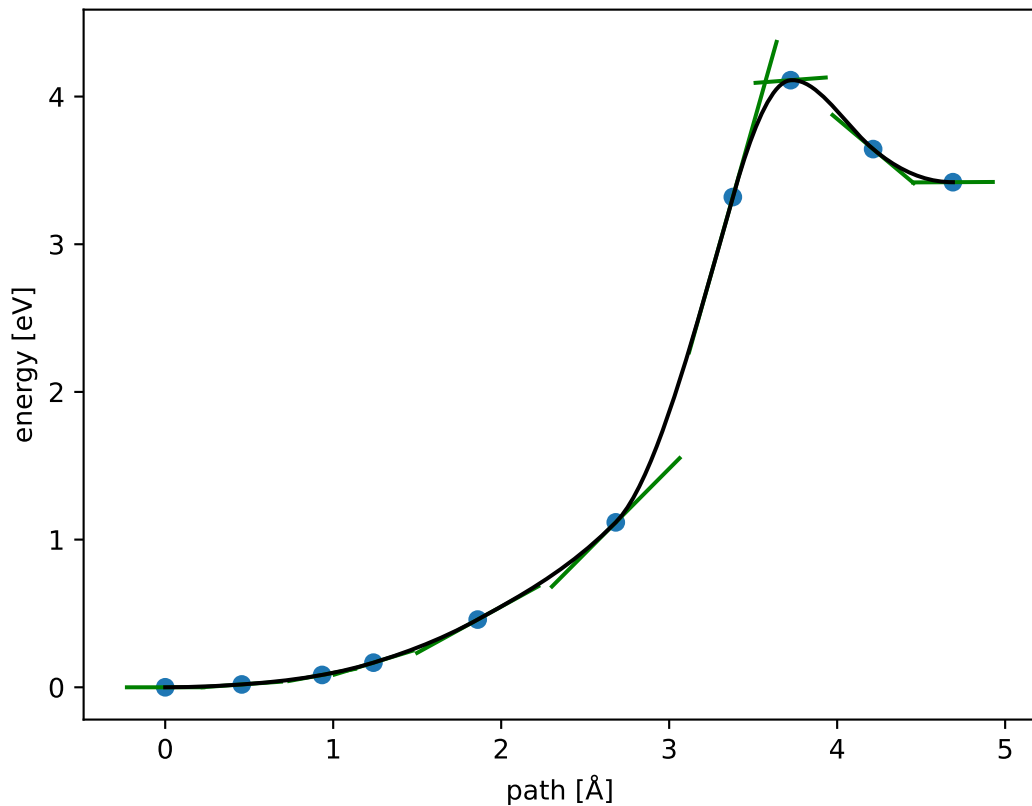




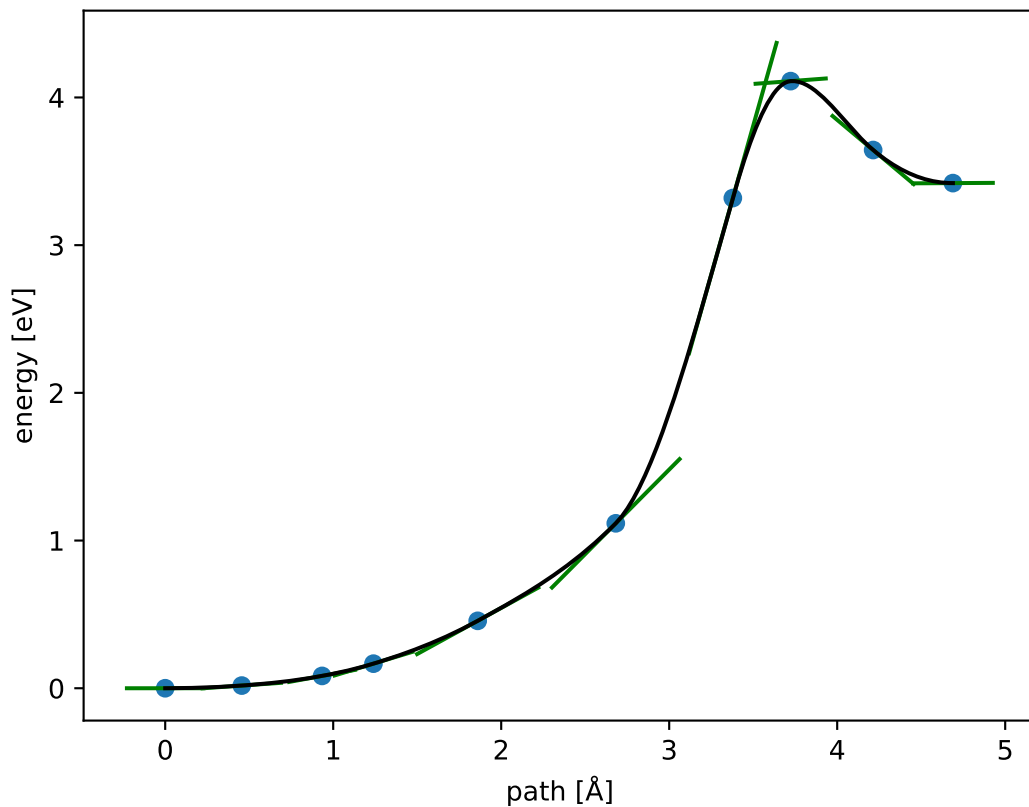
$$E_f \approx 4.113 \text{ eV}; E_r \approx 0.693 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



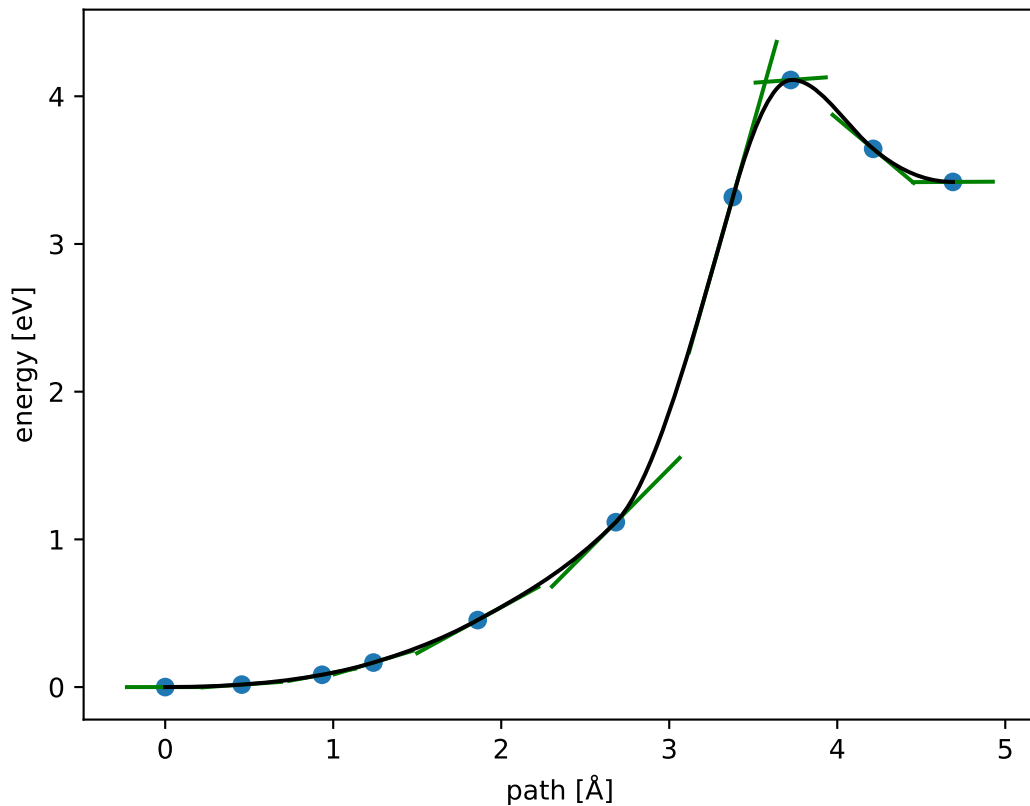
$$E_f \approx 4.111 \text{ eV}; E_r \approx 0.691 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



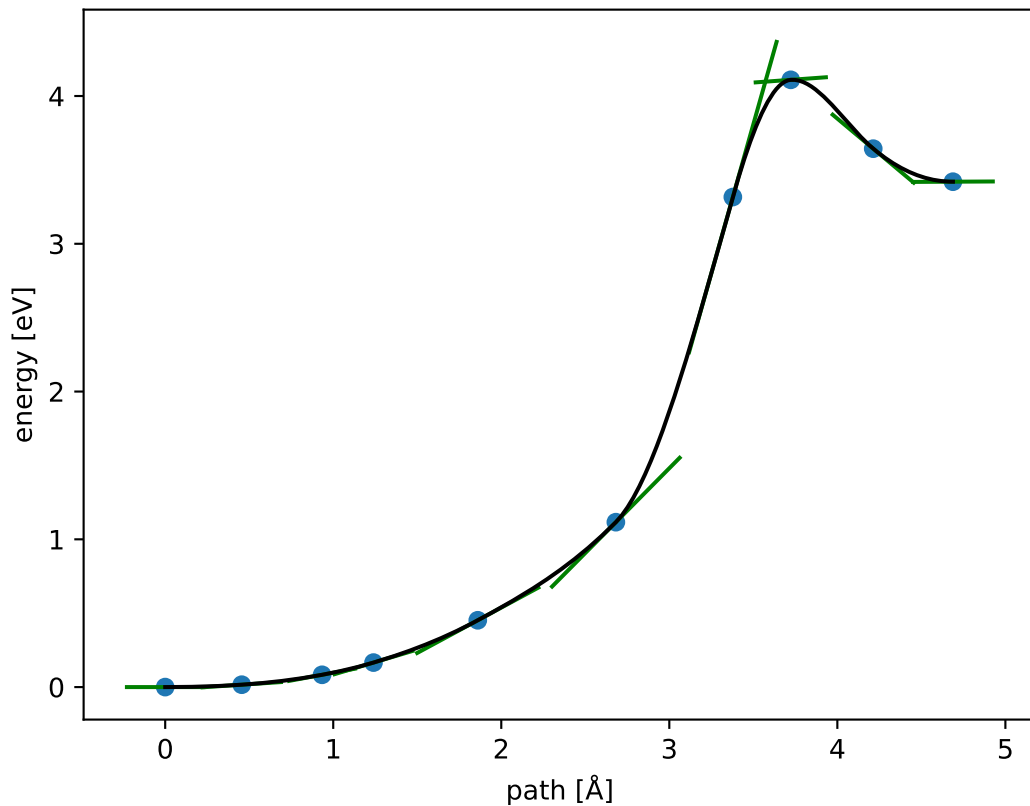
$$E_f \approx 4.111 \text{ eV}; E_r \approx 0.690 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



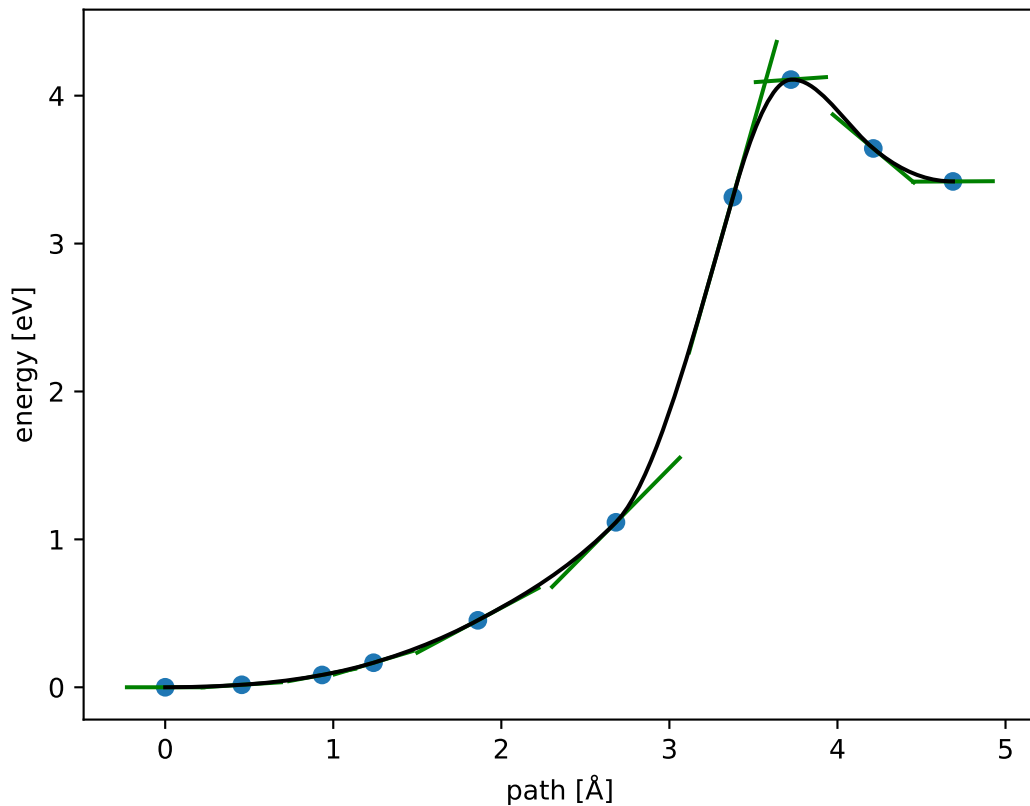
$$E_f \approx 4.110 \text{ eV}; E_r \approx 0.690 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



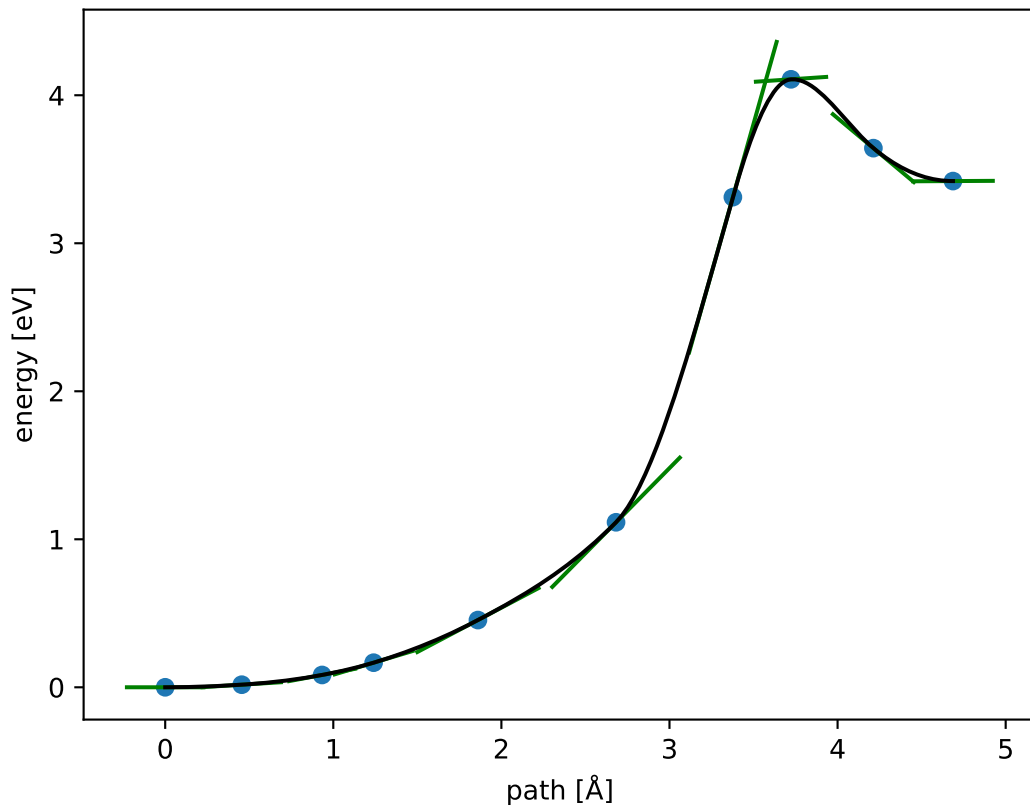
$$E_f \approx 4.110 \text{ eV}; E_r \approx 0.689 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



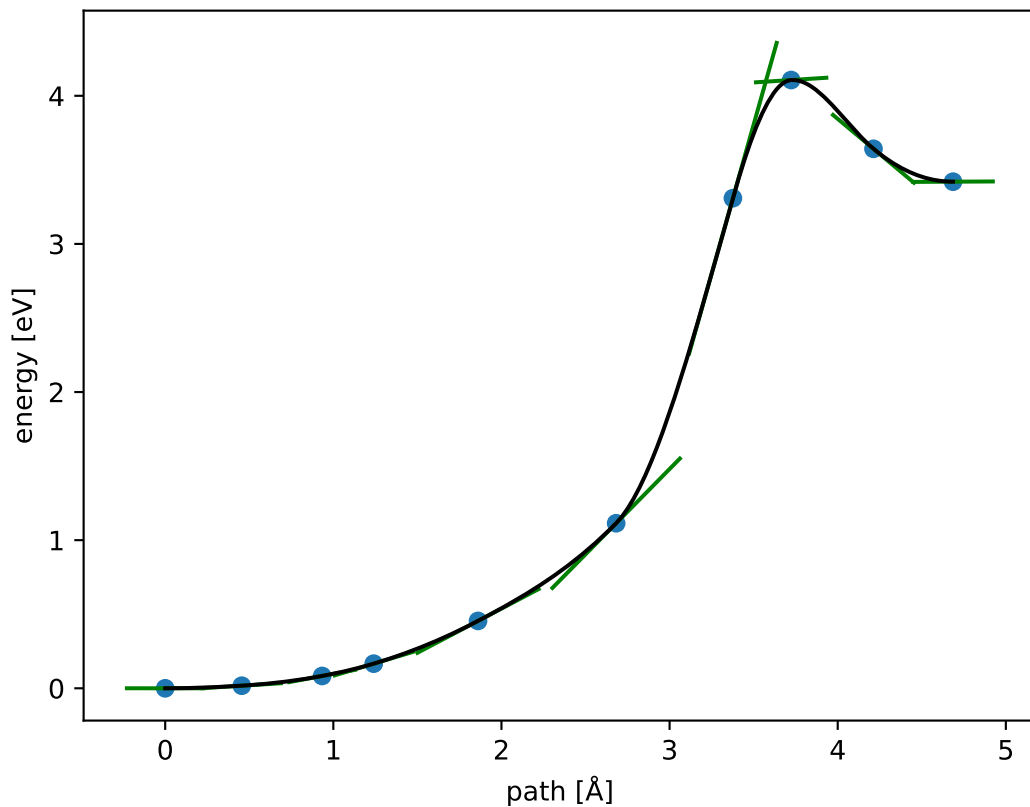
$$E_f \approx 4.109 \text{ eV}; E_r \approx 0.689 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



$$E_f \approx 4.108 \text{ eV}; E_r \approx 0.687 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

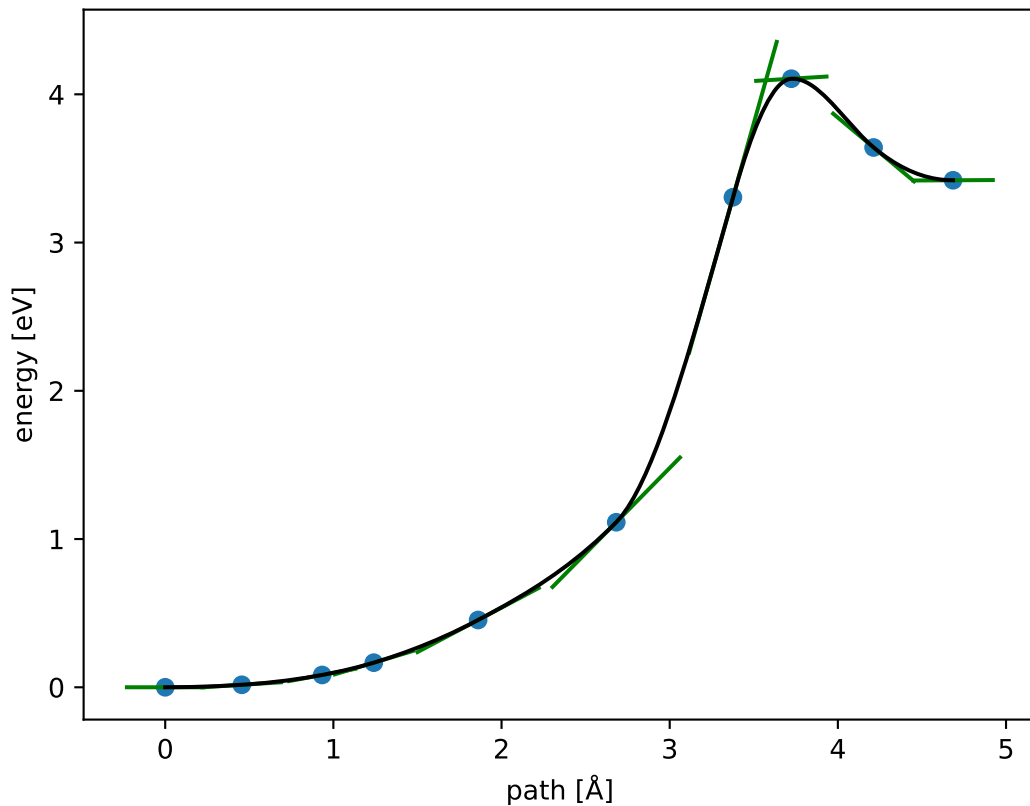


$$E_f \approx 4.106 \text{ eV}; E_r \approx 0.686 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

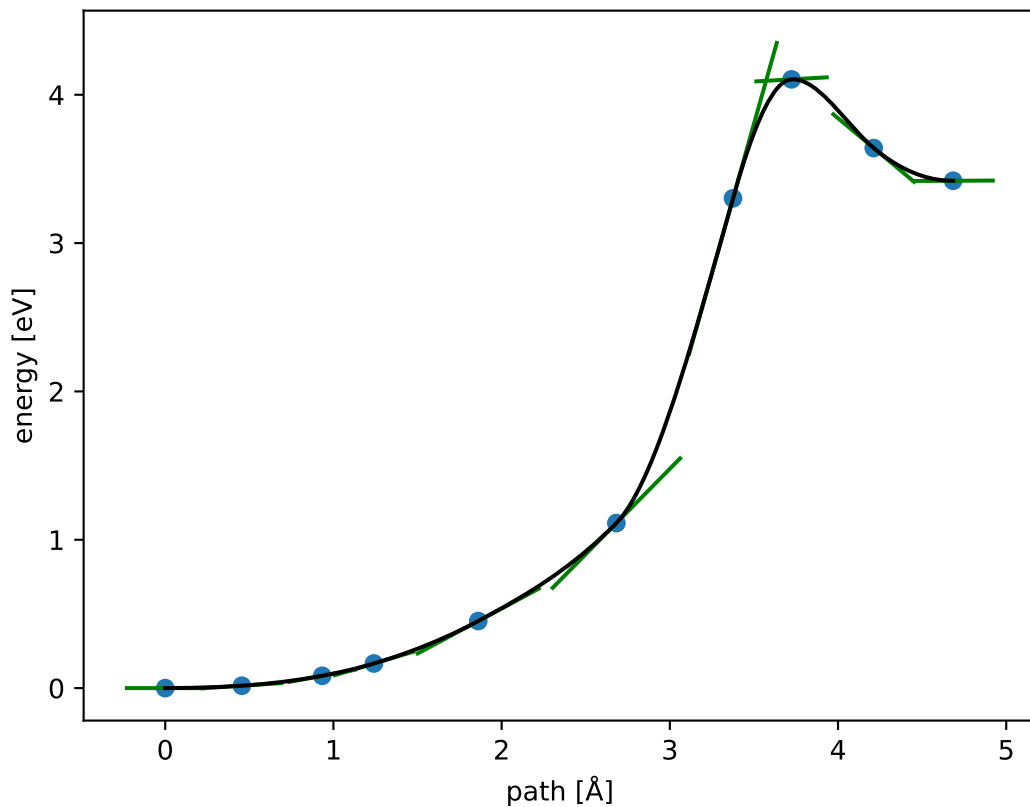




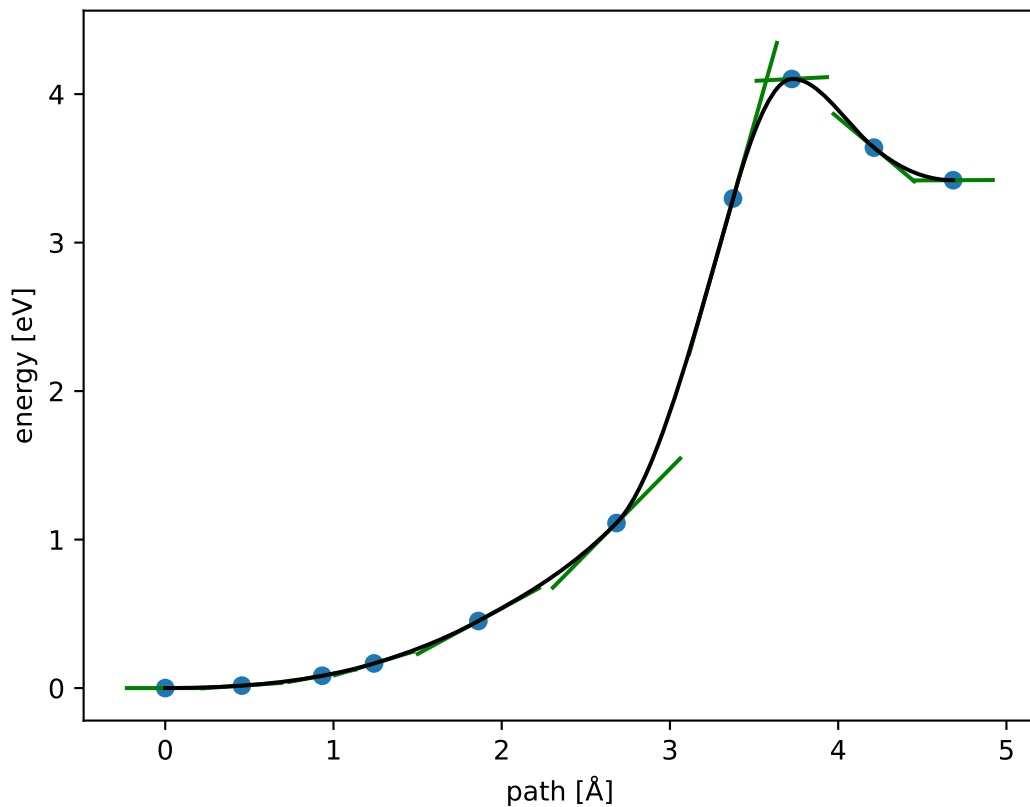
$$E_f \approx 4.105 \text{ eV}; E_r \approx 0.685 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



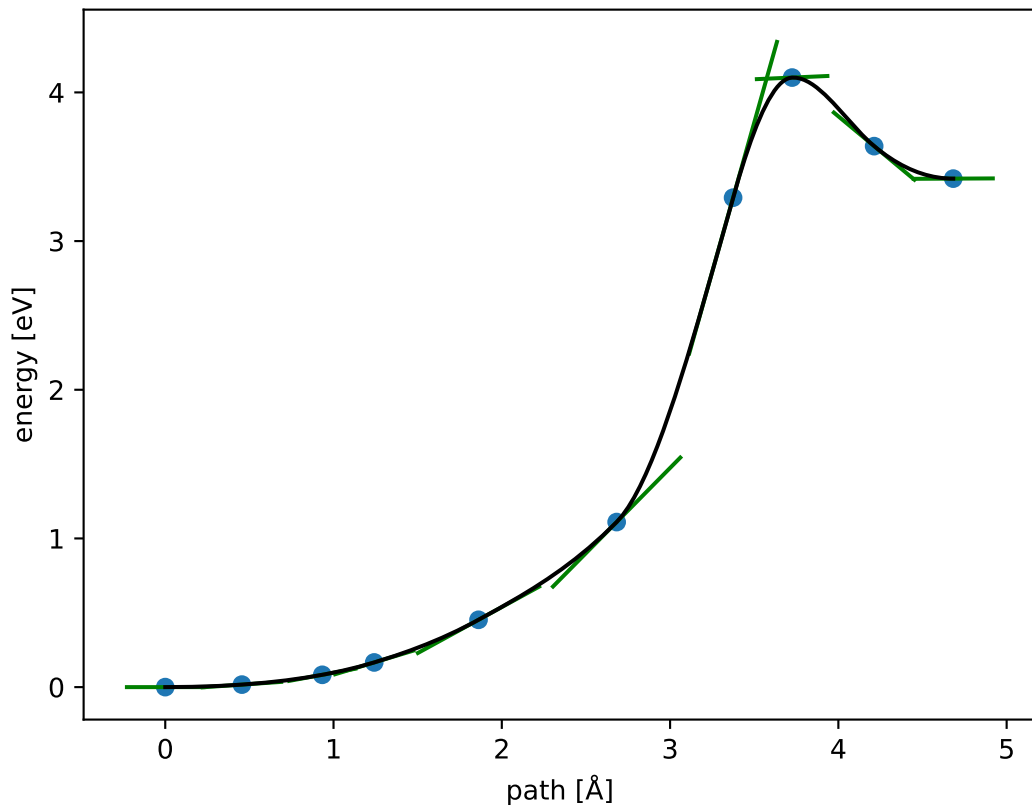
$$E_f \approx 4.104 \text{ eV}; E_r \approx 0.684 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



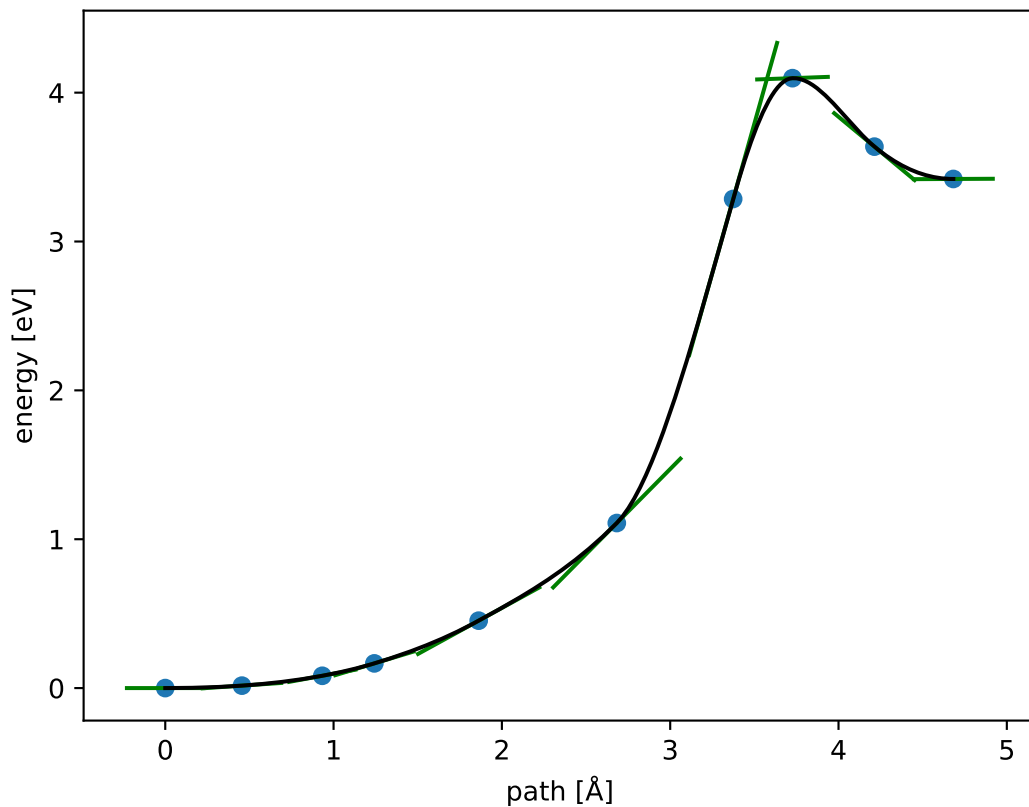
$$E_f \approx 4.102 \text{ eV}; E_r \approx 0.682 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



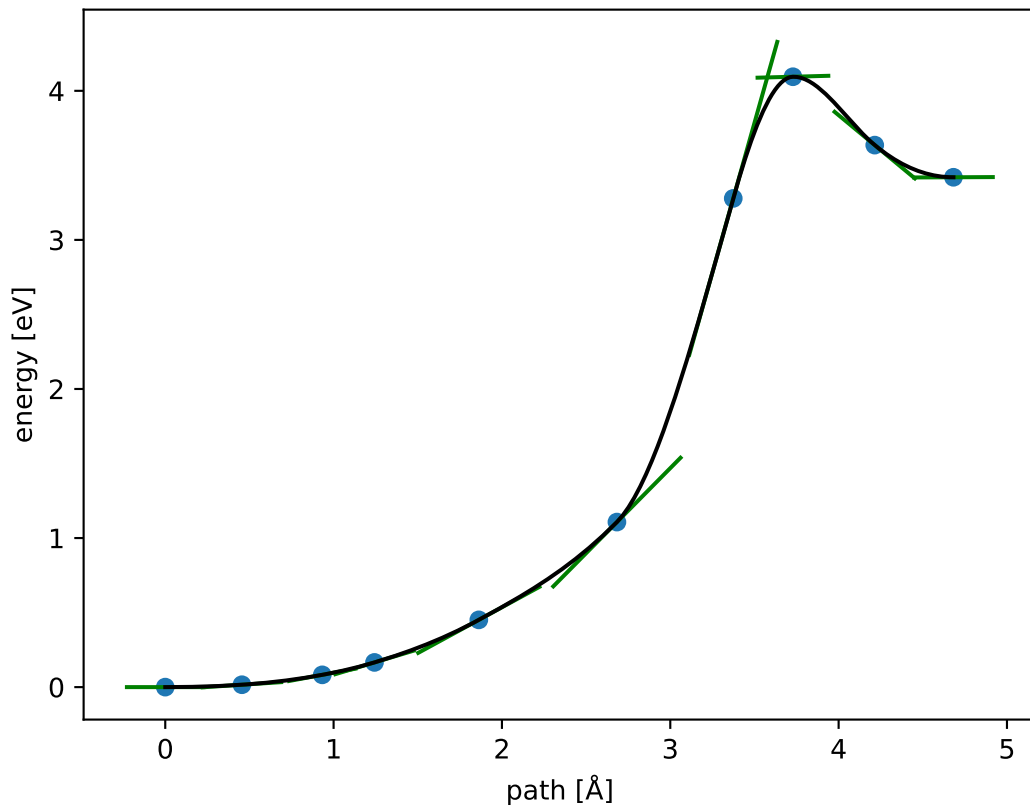
$$E_f \approx 4.100 \text{ eV}; E_r \approx 0.680 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



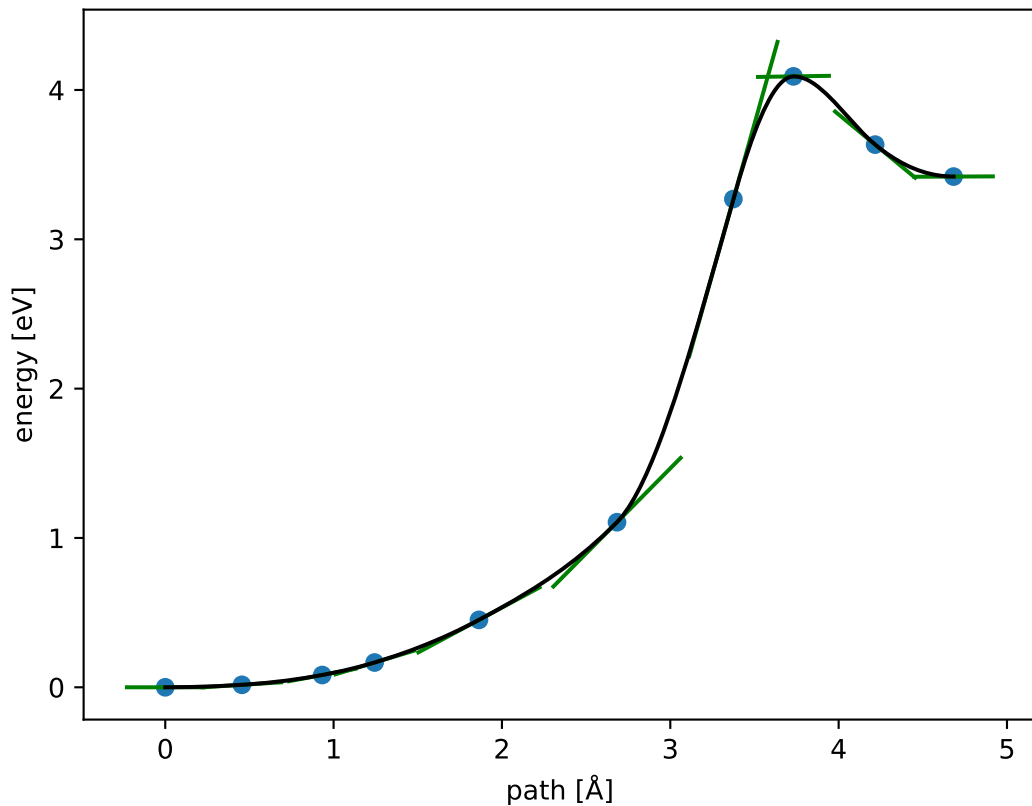
$$E_f \approx 4.097 \text{ eV}; E_r \approx 0.677 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



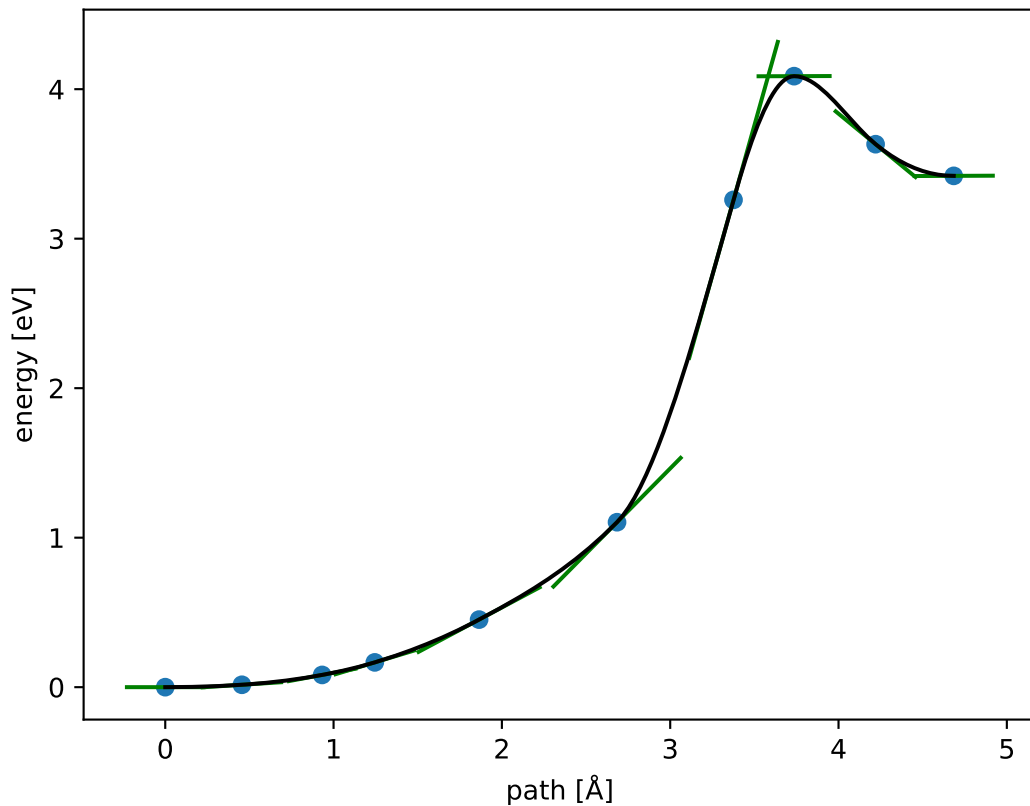
$$E_f \approx 4.094 \text{ eV}; E_r \approx 0.674 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



$$E_f \approx 4.091 \text{ eV}; E_r \approx 0.671 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

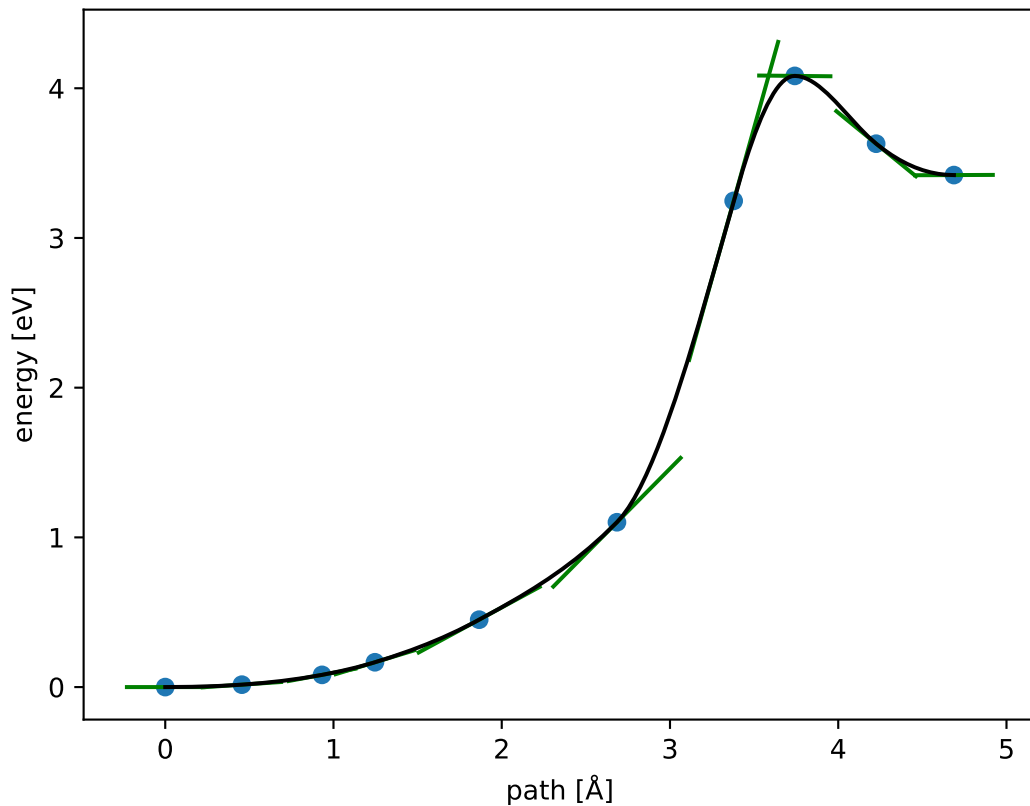


$$E_f \approx 4.087 \text{ eV}; E_r \approx 0.667 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

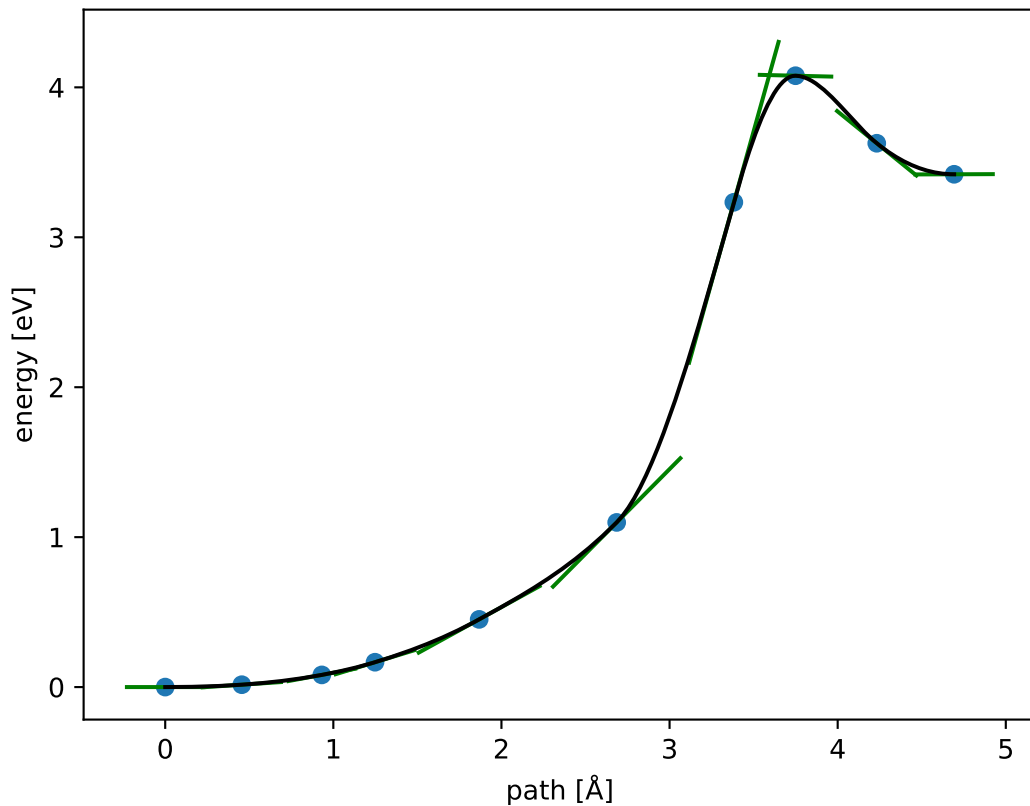




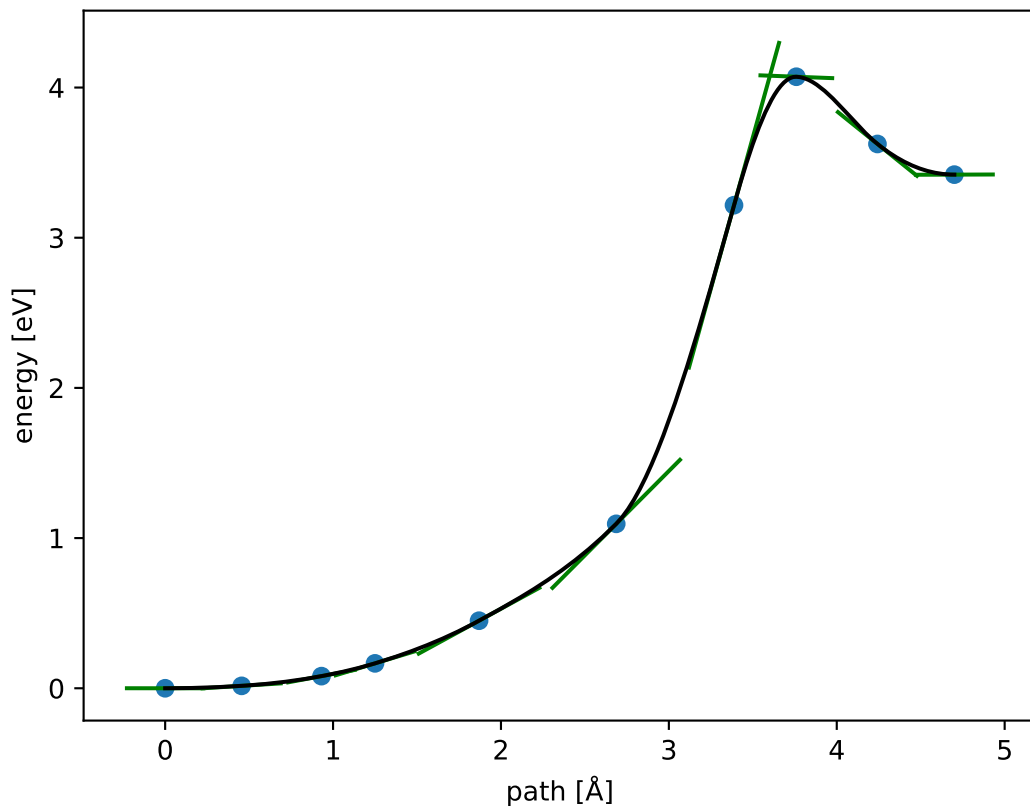
$$E_f \approx 4.083 \text{ eV}; E_r \approx 0.662 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



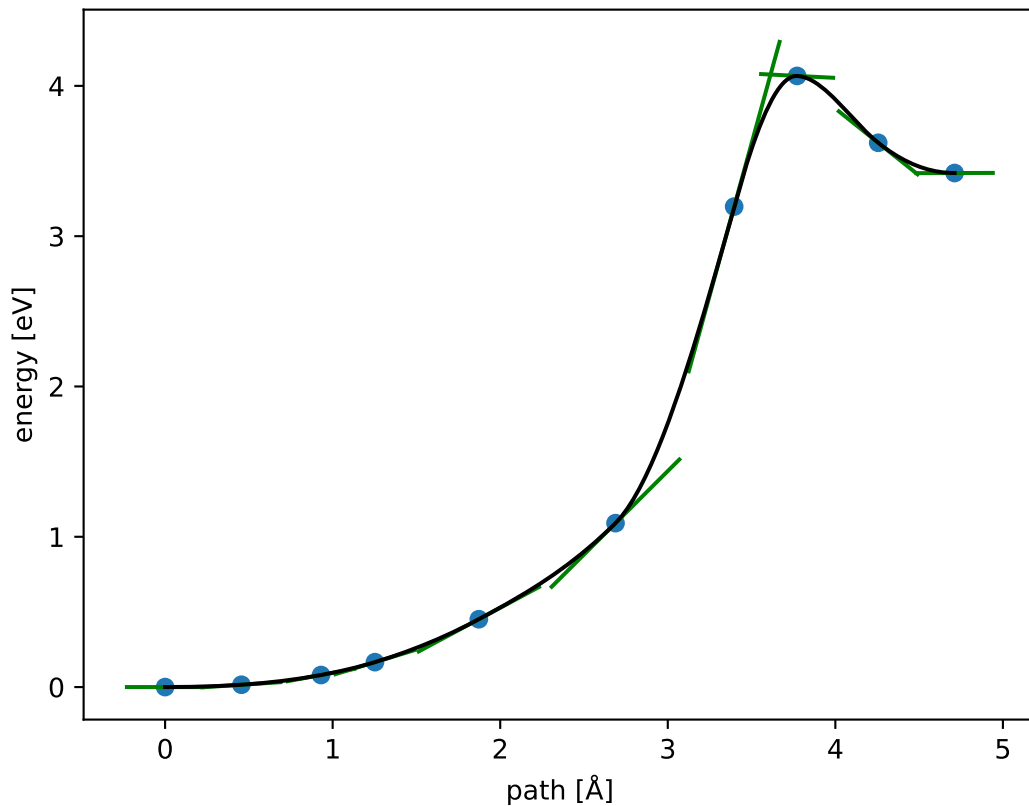
$$E_f \approx 4.078 \text{ eV}; E_r \approx 0.657 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



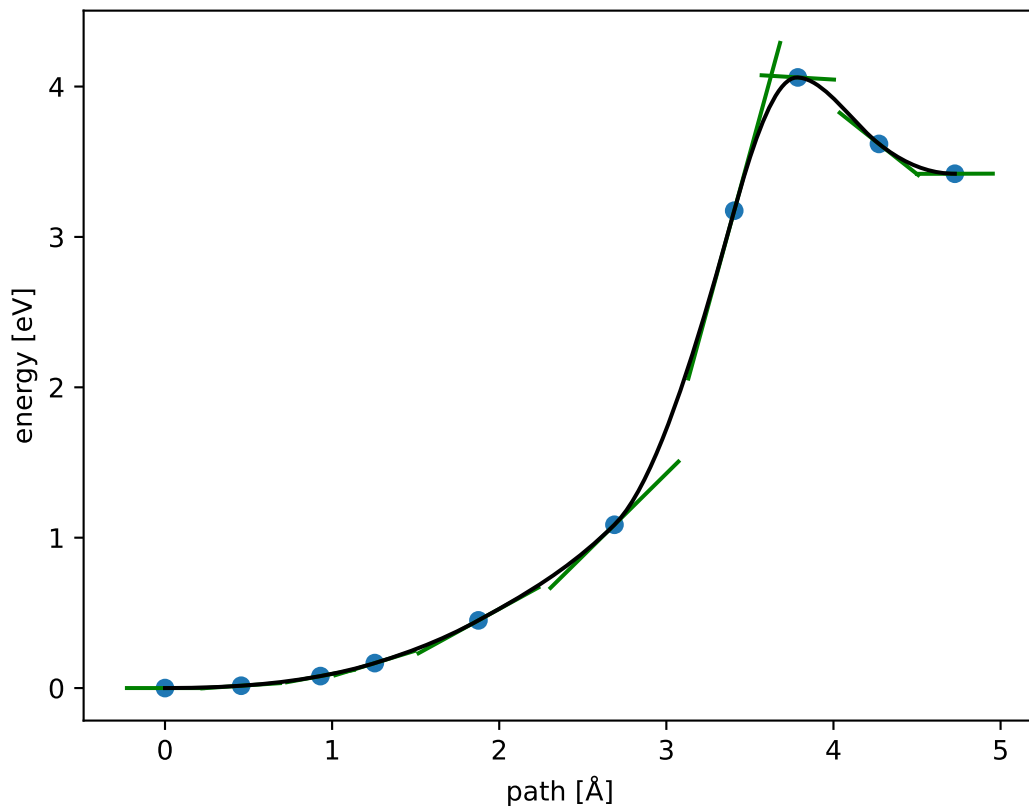
$$E_f \approx 4.072 \text{ eV}; E_r \approx 0.652 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



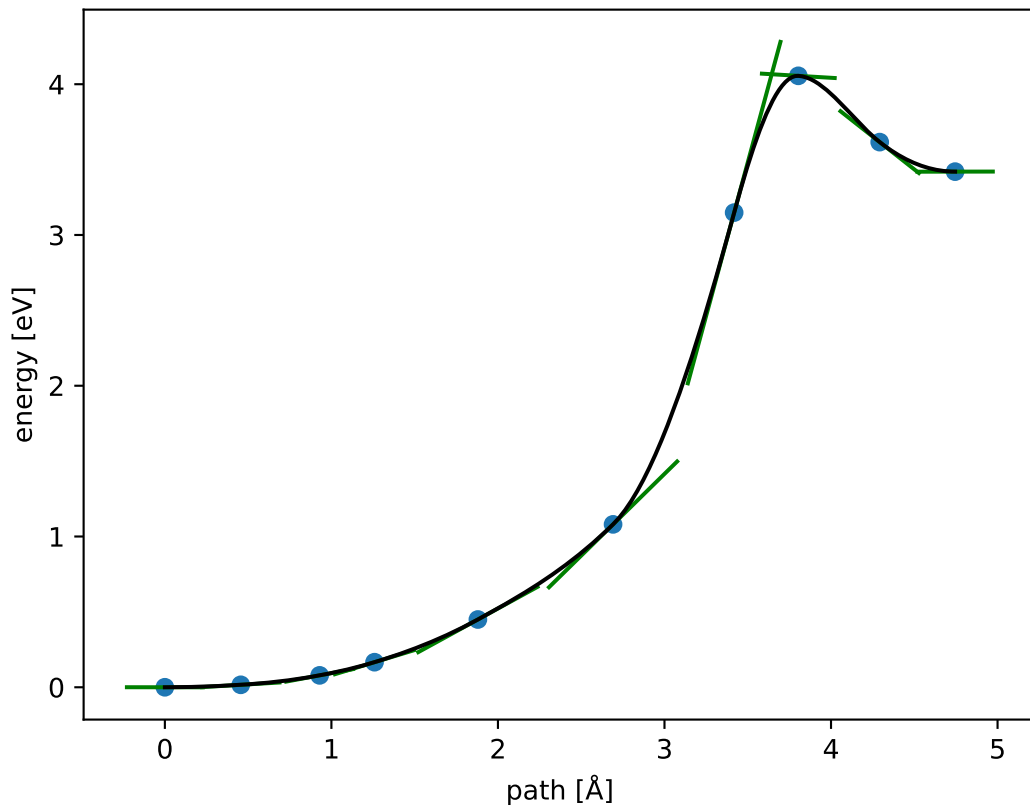
$$E_f \approx 4.066 \text{ eV}; E_r \approx 0.646 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



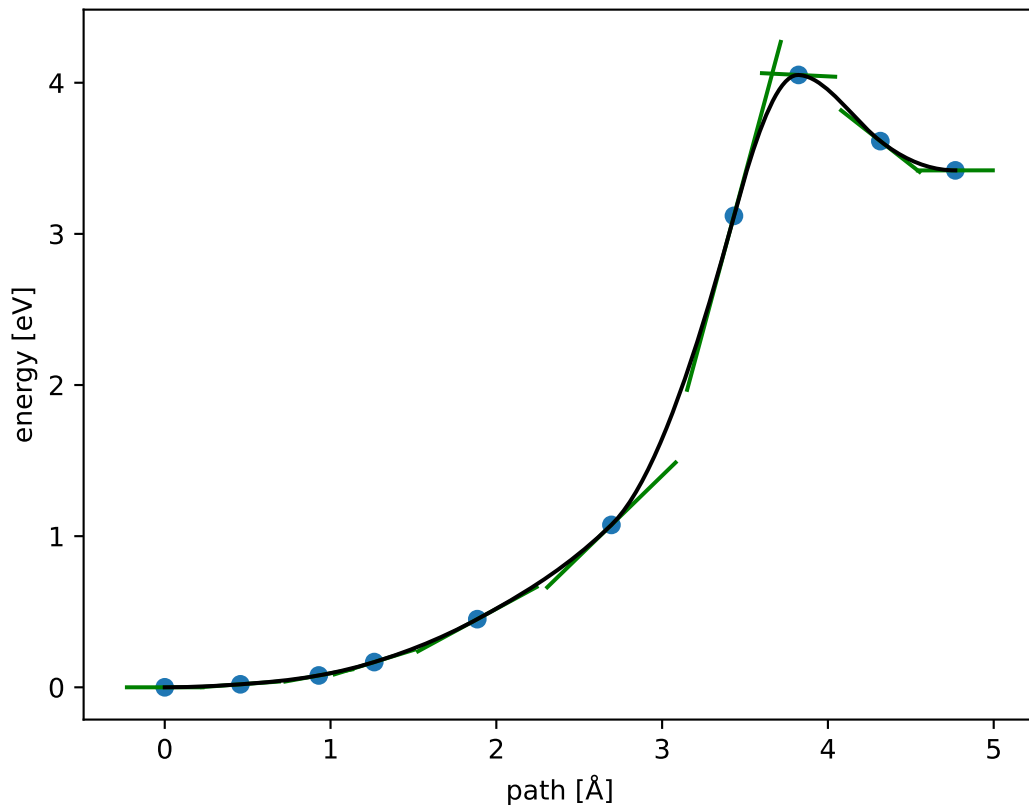
$$E_f \approx 4.061 \text{ eV}; E_r \approx 0.641 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



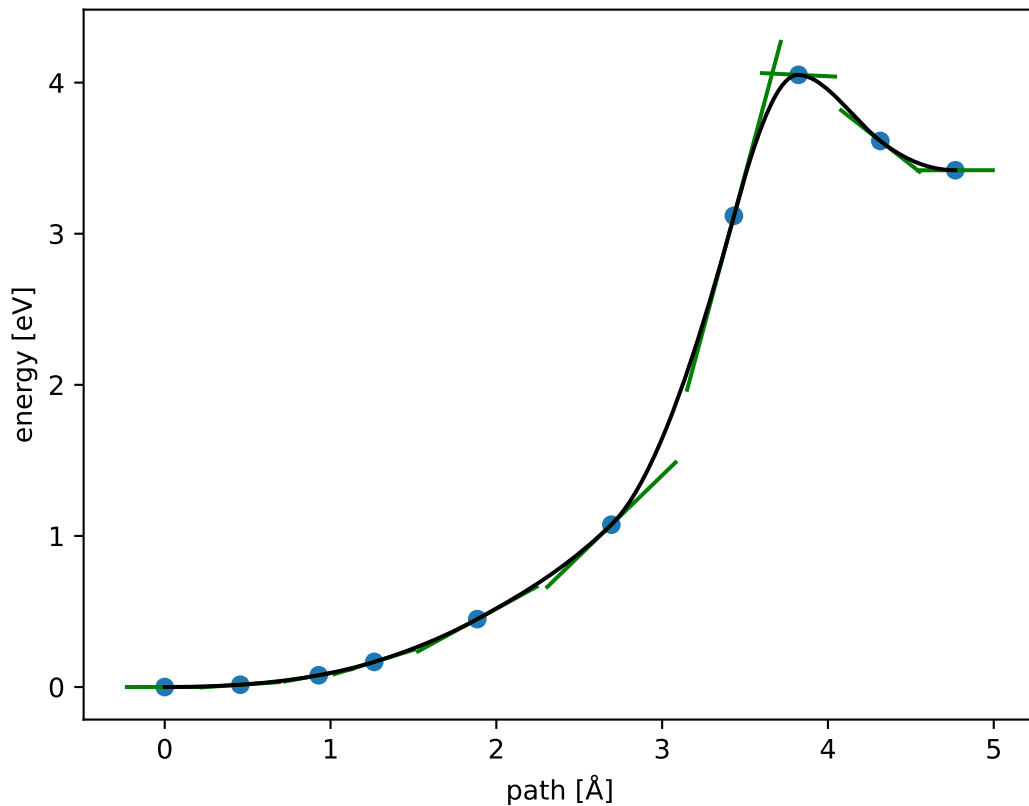
$$E_f \approx 4.056 \text{ eV}; E_r \approx 0.635 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



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

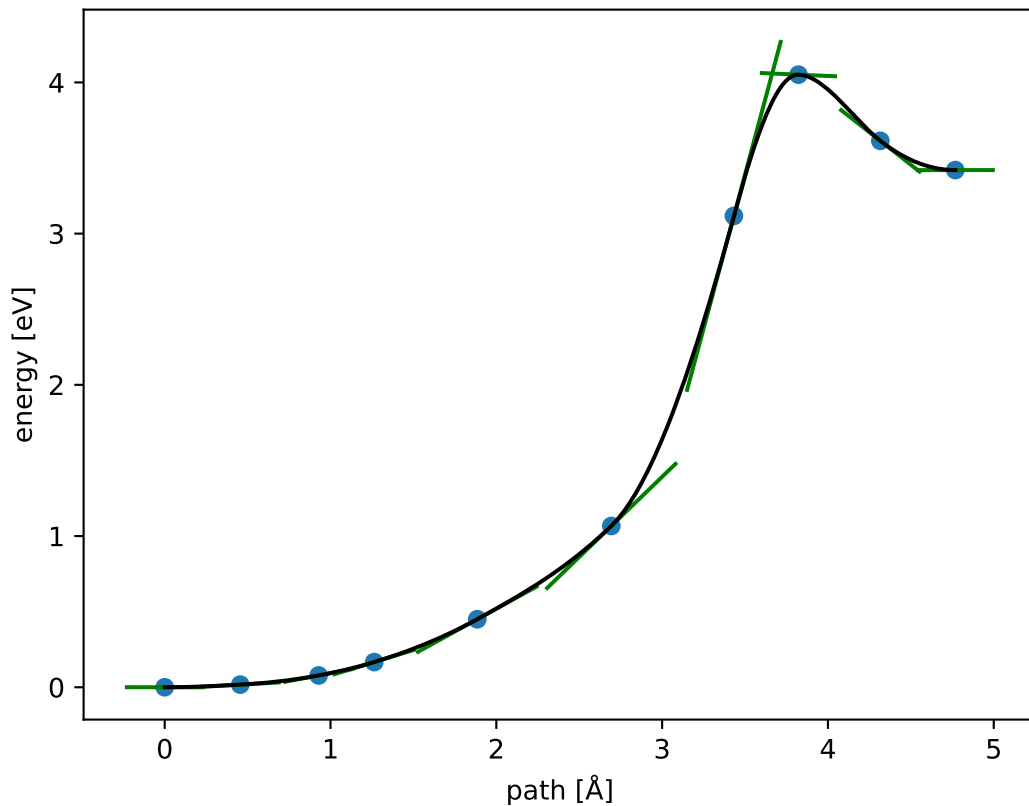


$$E_f \approx 4.051 \text{ eV}; E_r \approx 0.631 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

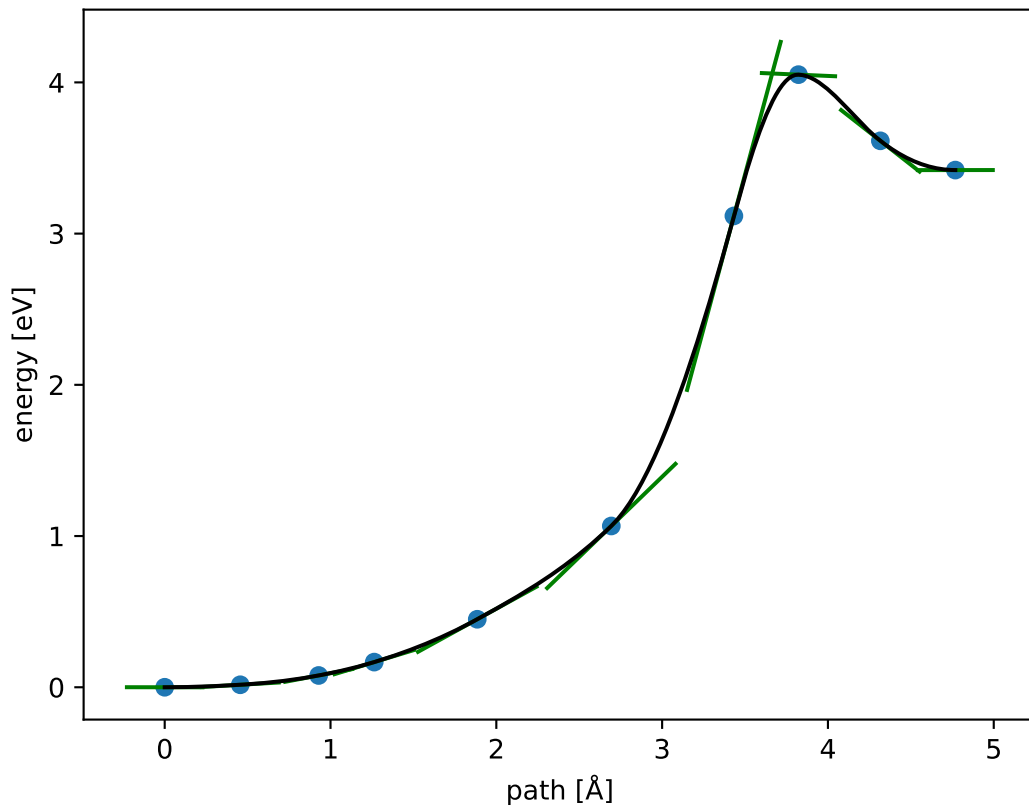




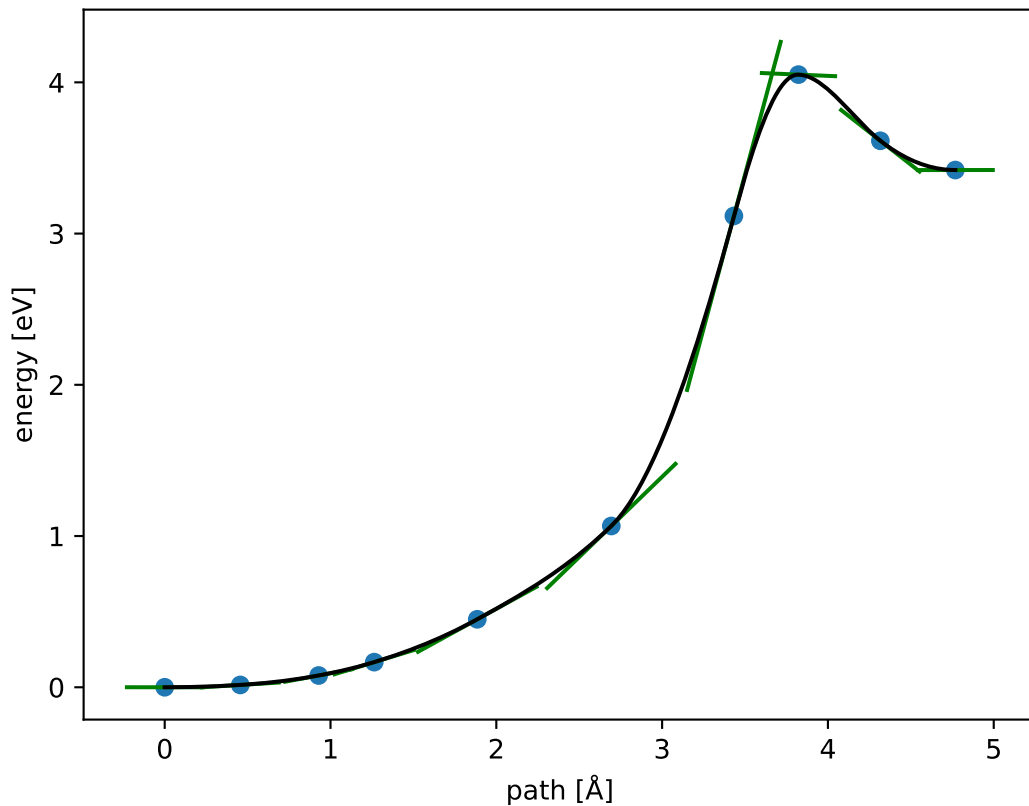
$$E_f \approx 4.051 \text{ eV}; E_r \approx 0.631 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



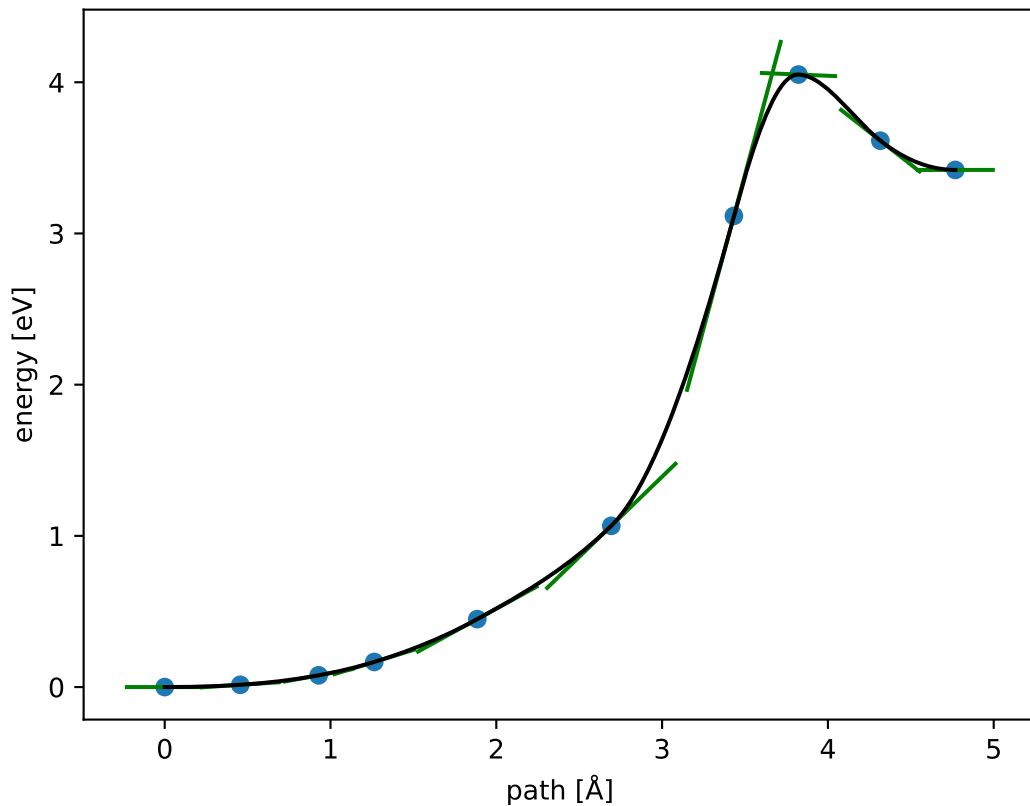
$$E_f \approx 4.051 \text{ eV}; E_r \approx 0.631 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



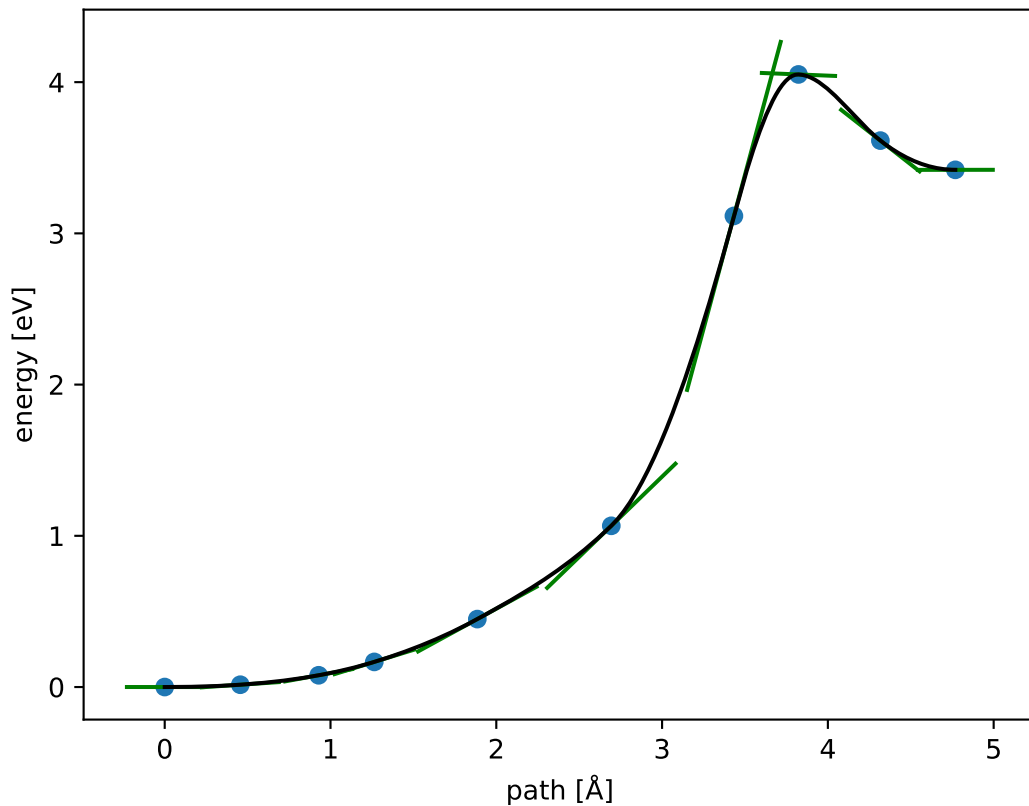
$$E_f \approx 4.051 \text{ eV}; E_r \approx 0.631 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



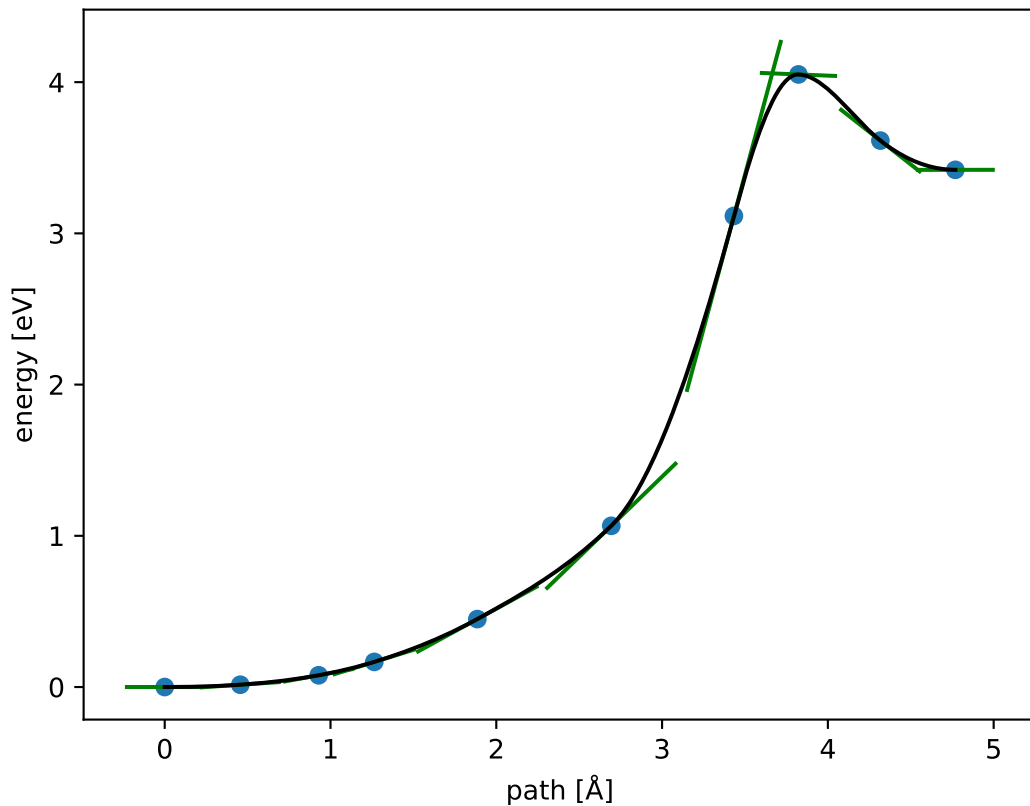
$$E_f \approx 4.051 \text{ eV}; E_r \approx 0.631 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



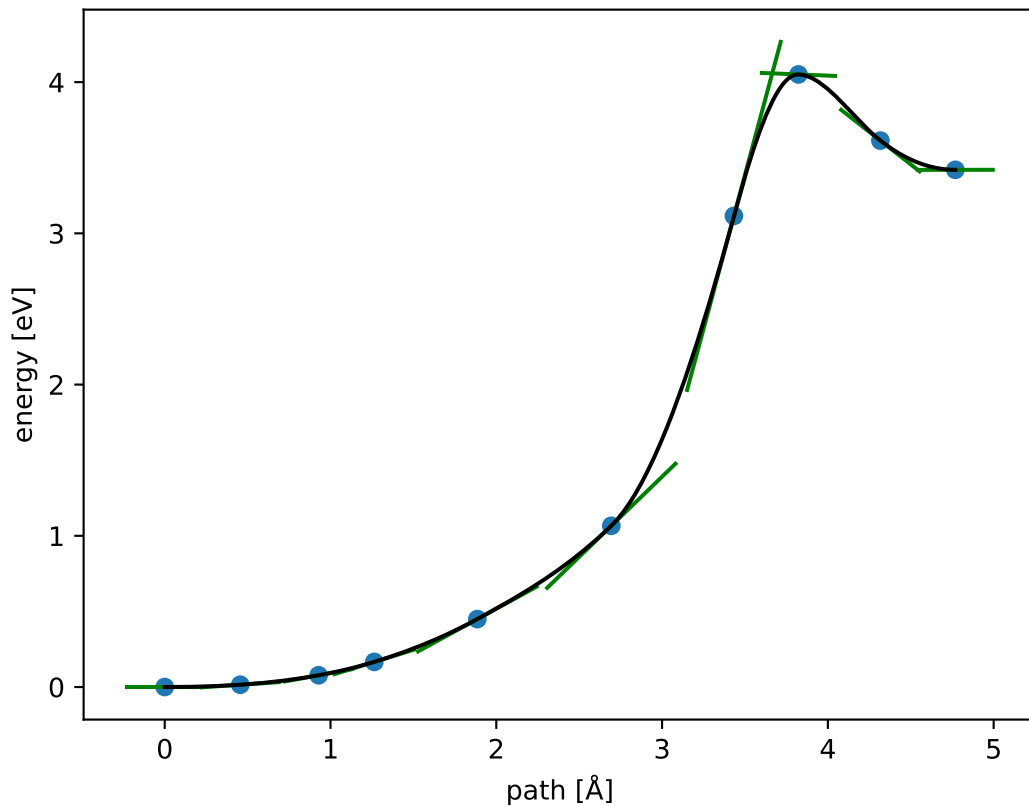
$$E_f \approx 4.051 \text{ eV}; E_r \approx 0.631 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



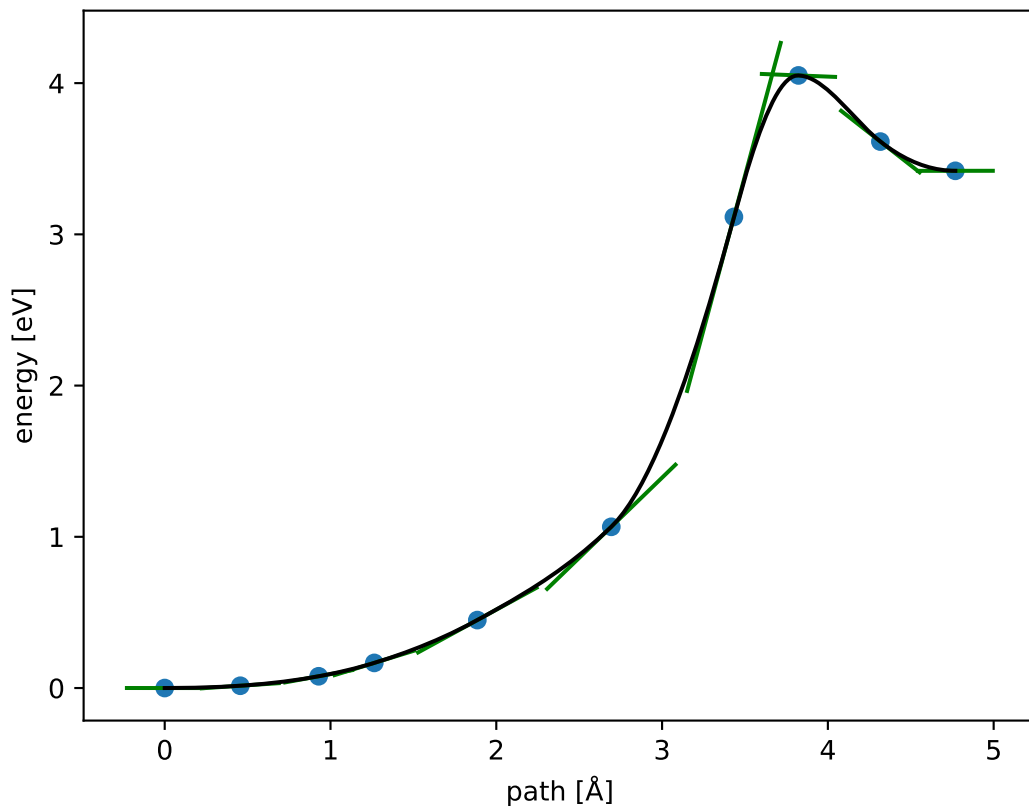
$$E_f \approx 4.051 \text{ eV}; E_r \approx 0.631 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



$$E_f \approx 4.051 \text{ eV}; E_r \approx 0.631 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

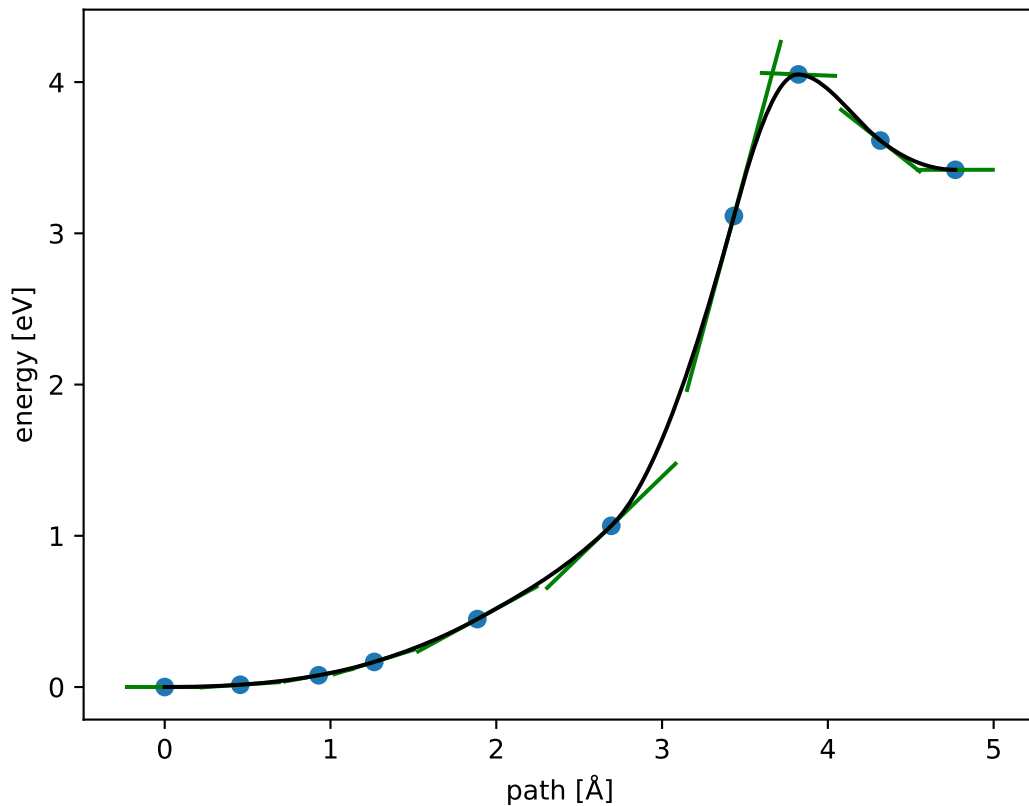


$$E_f \approx 4.051 \text{ eV}; E_r \approx 0.631 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

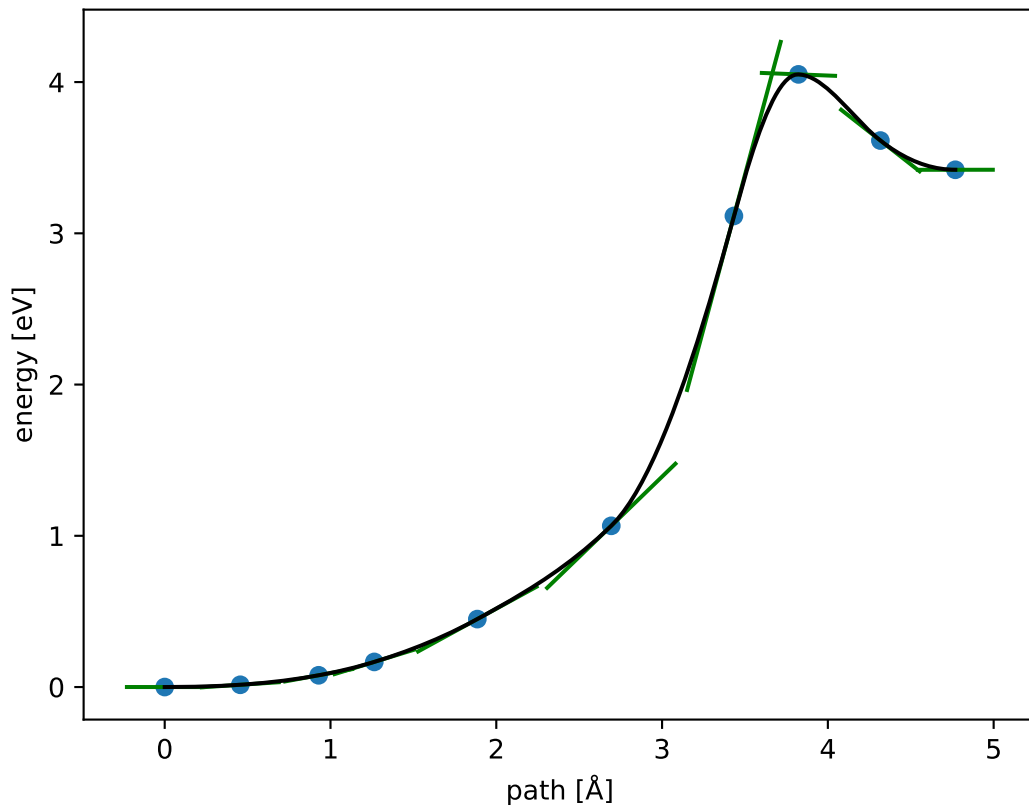




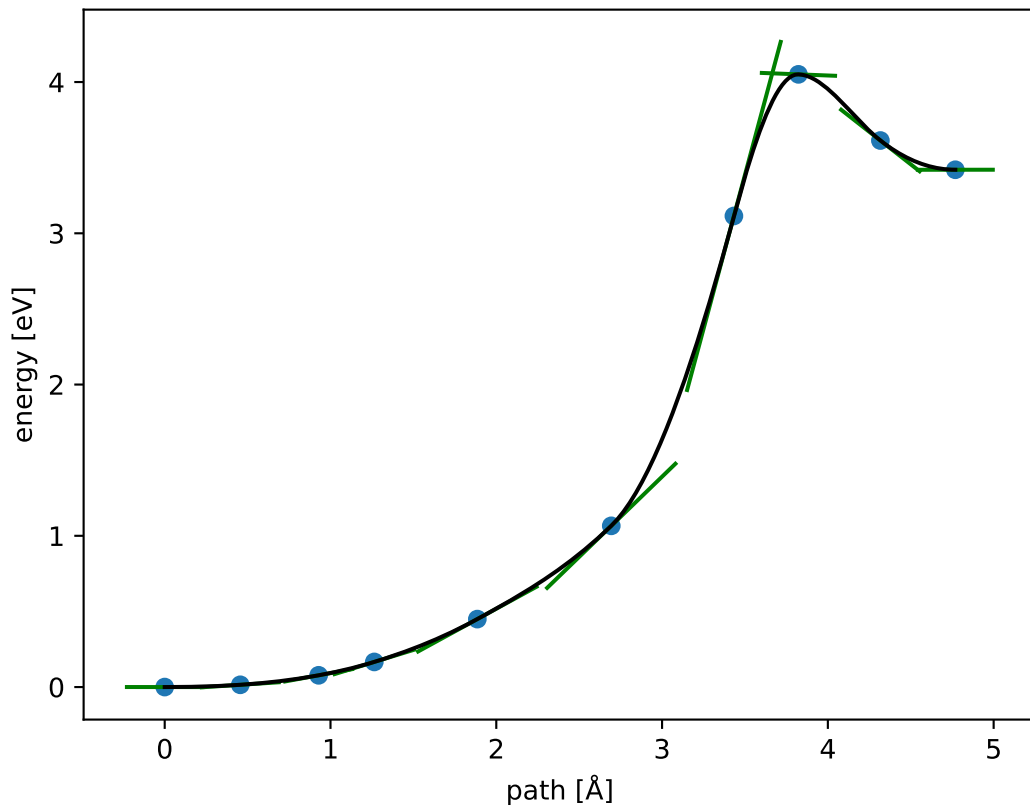
$$E_f \approx 4.051 \text{ eV}; E_r \approx 0.631 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



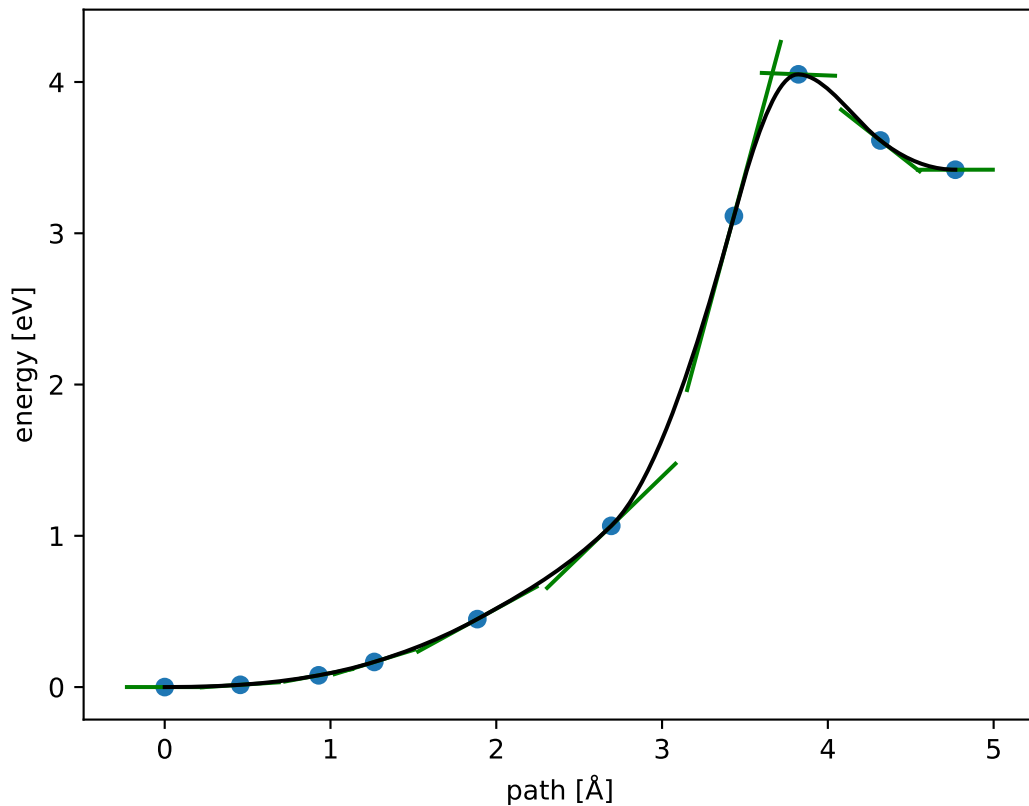
$$E_f \approx 4.051 \text{ eV}; E_r \approx 0.631 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



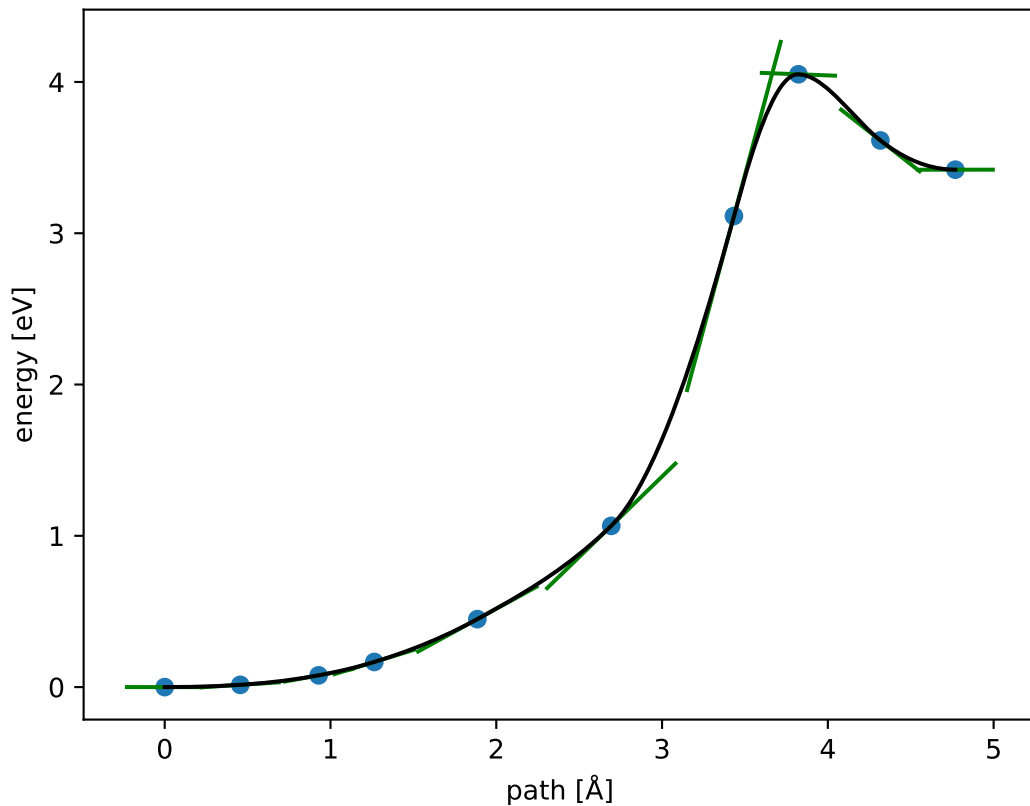
$$E_f \approx 4.051 \text{ eV}; E_r \approx 0.631 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



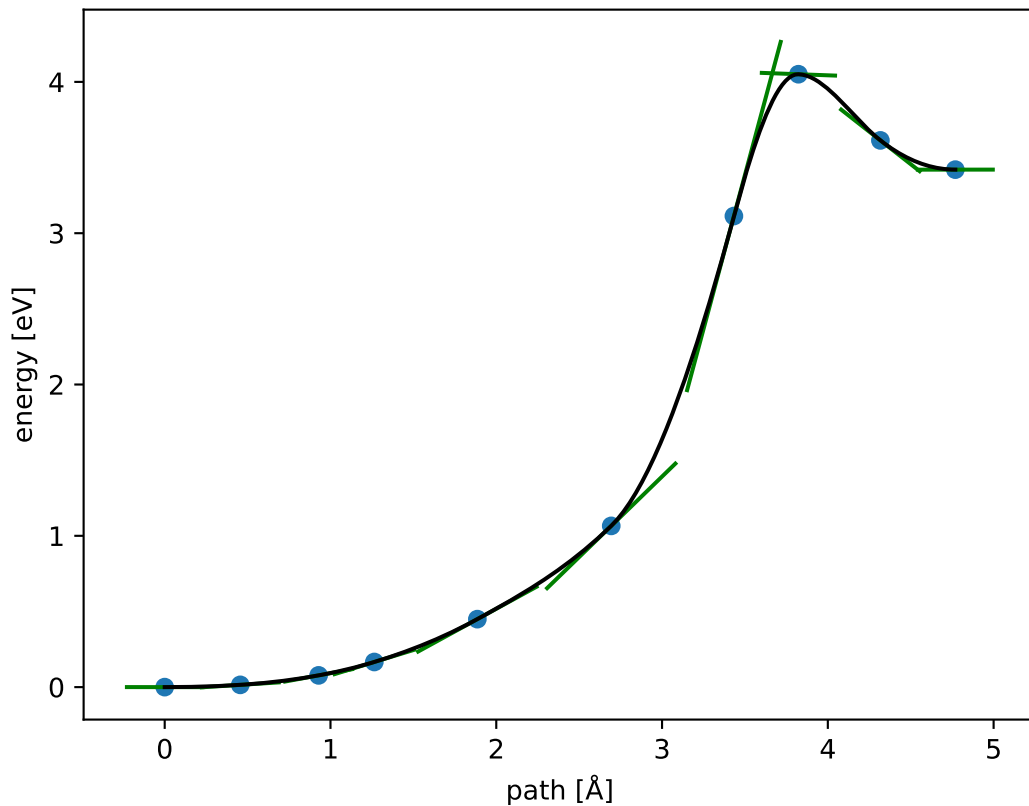
$$E_f \approx 4.051 \text{ eV}; E_r \approx 0.631 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



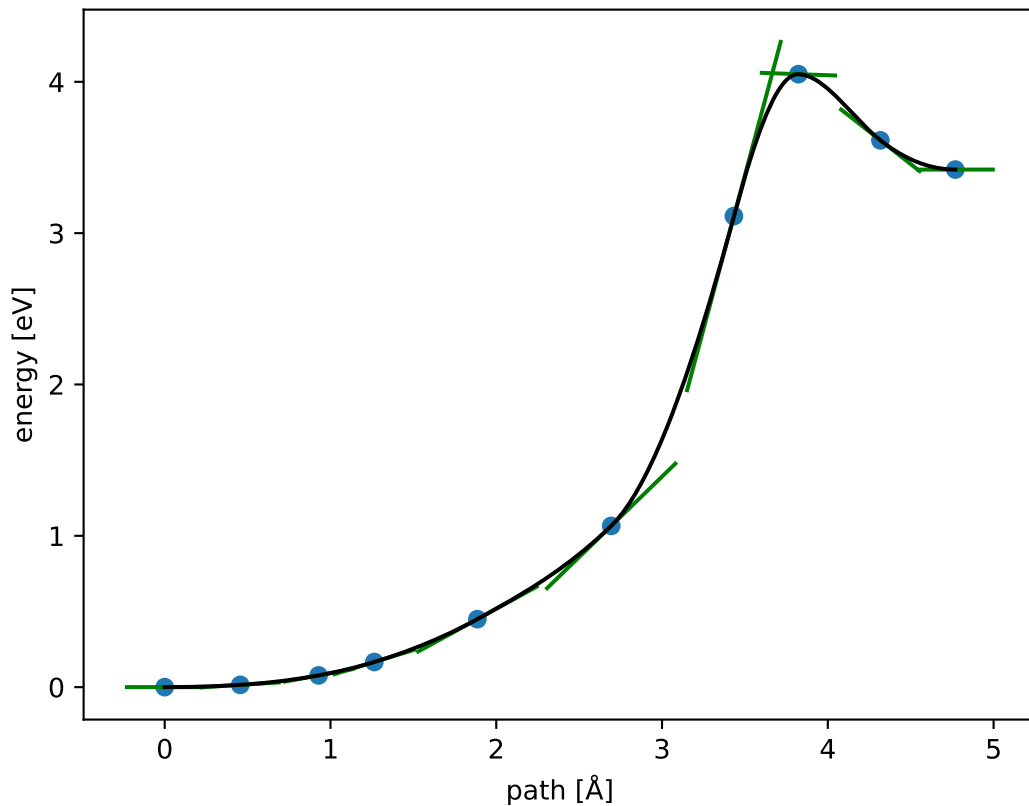
$$E_f \approx 4.051 \text{ eV}; E_r \approx 0.631 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



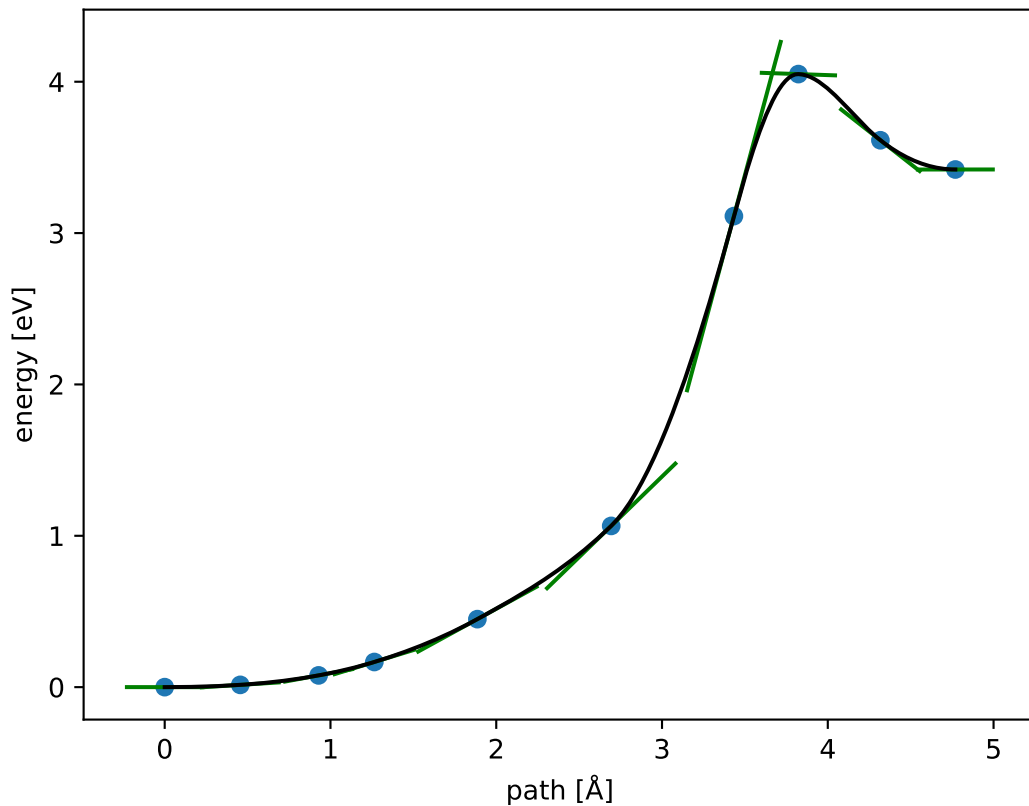
$$E_f \approx 4.051 \text{ eV}; E_r \approx 0.631 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



$$E_f \approx 4.051 \text{ eV}; E_r \approx 0.630 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

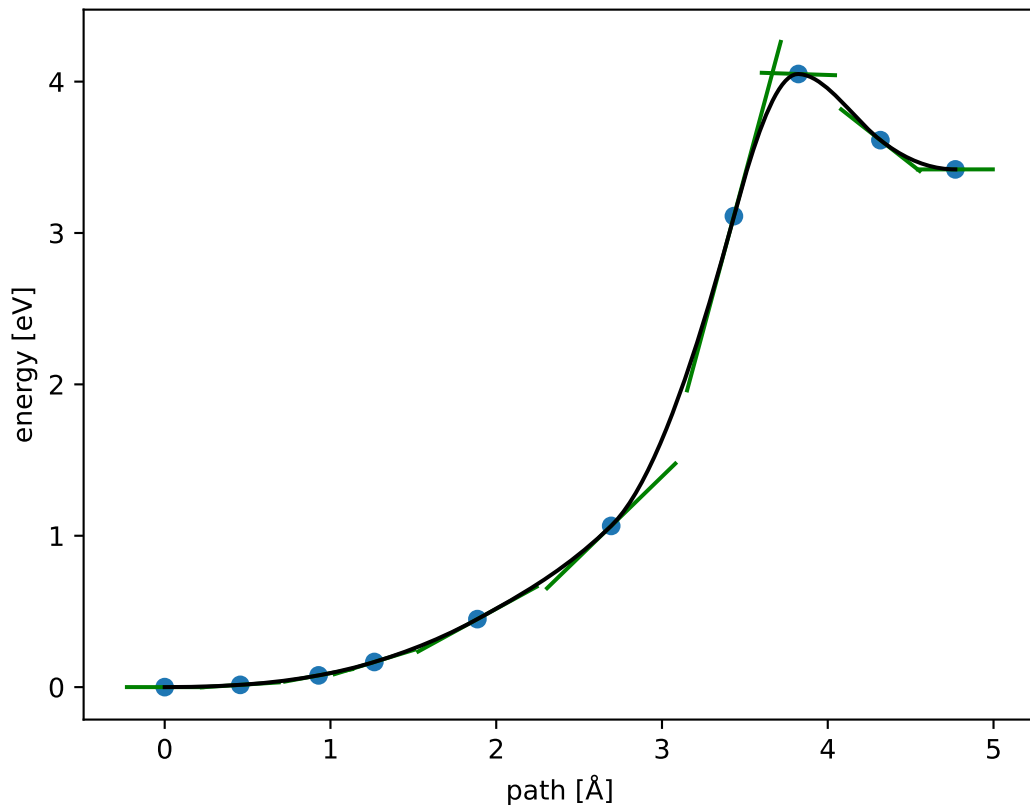


$$E_f \approx 4.050 \text{ eV}; E_r \approx 0.630 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

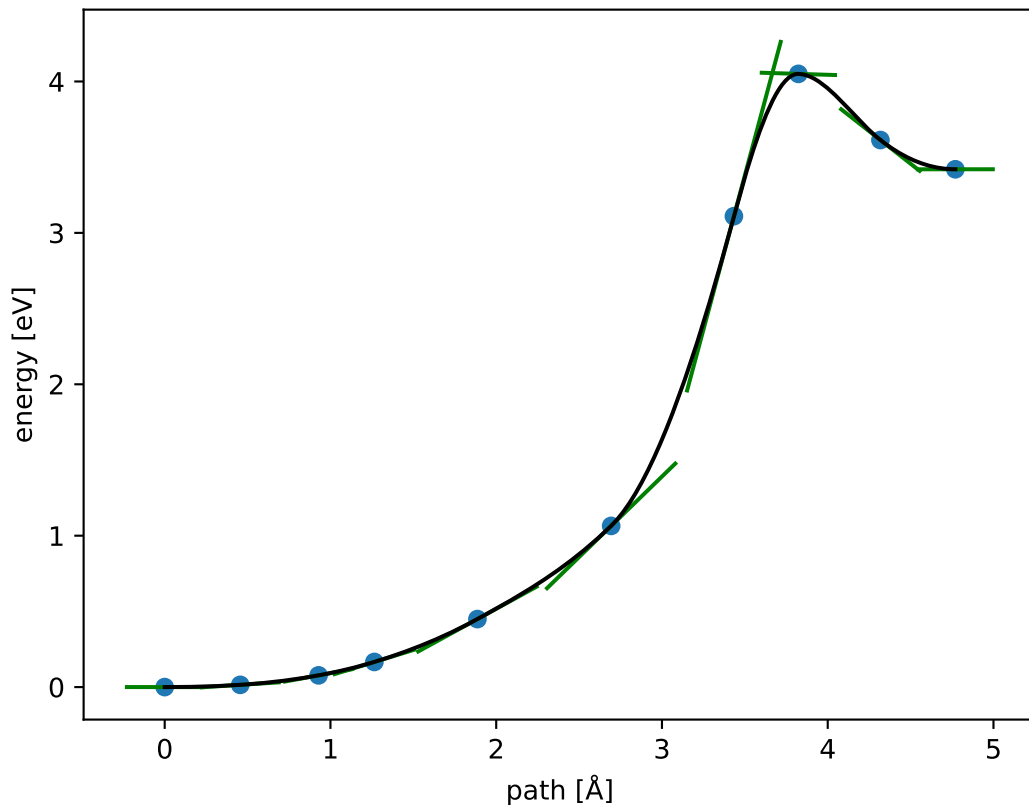




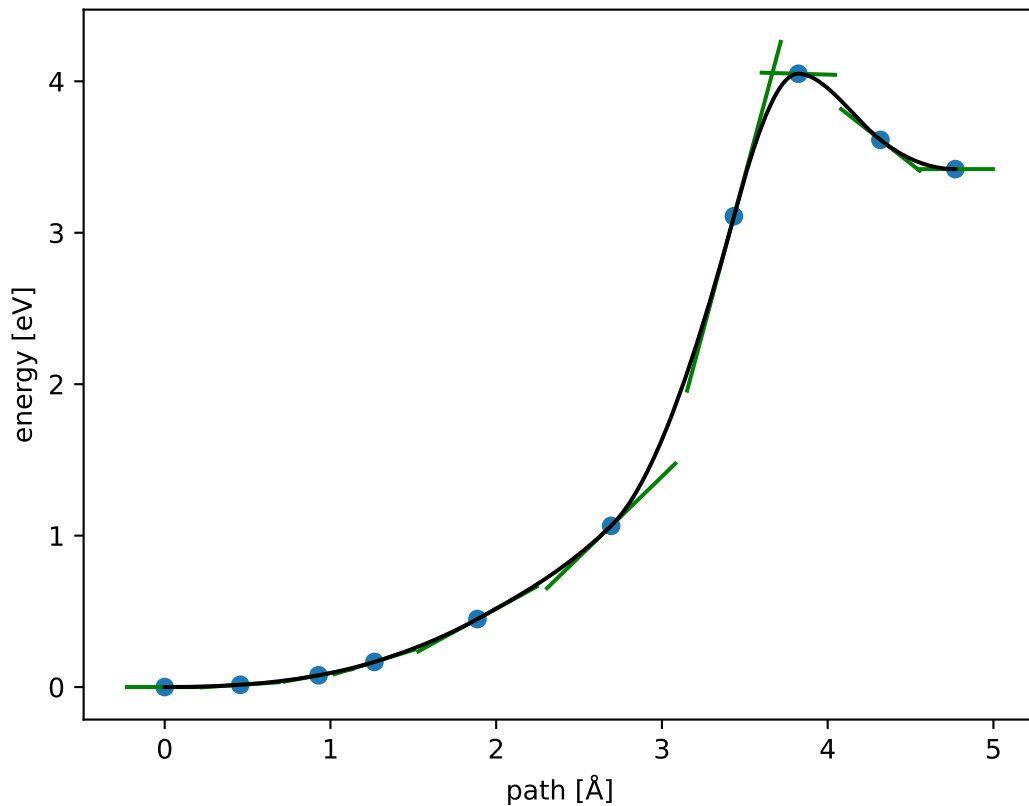
$$E_f \approx 4.050 \text{ eV}; E_r \approx 0.630 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



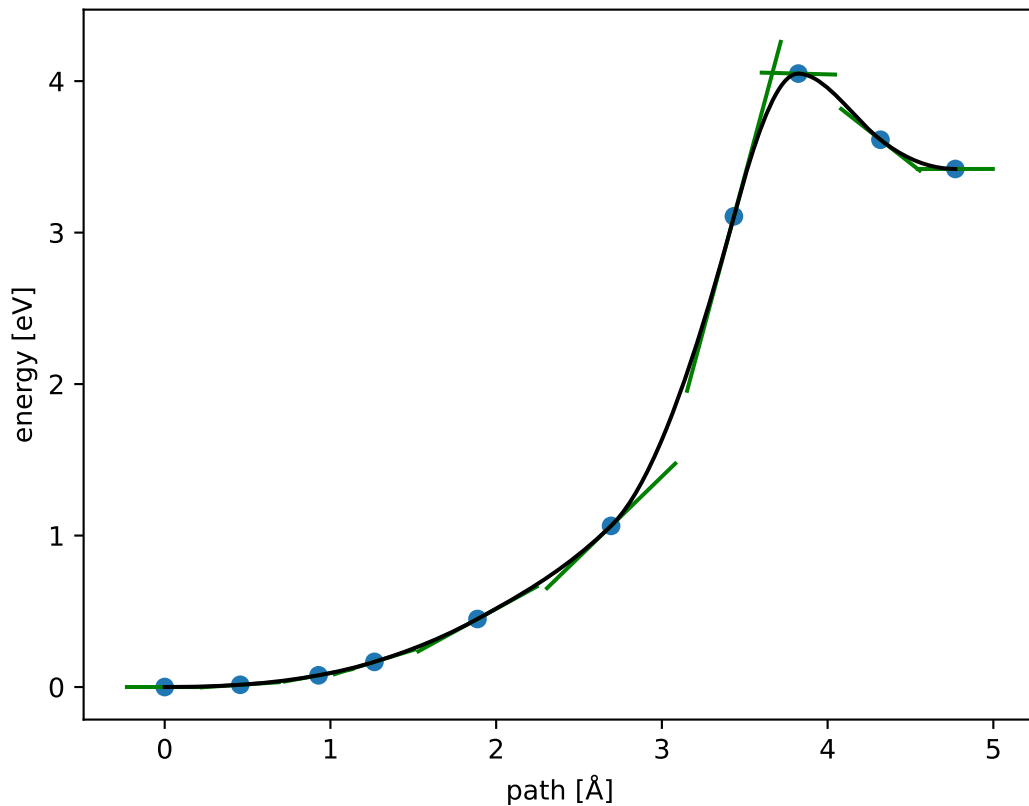
$$E_f \approx 4.050 \text{ eV}; E_r \approx 0.630 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



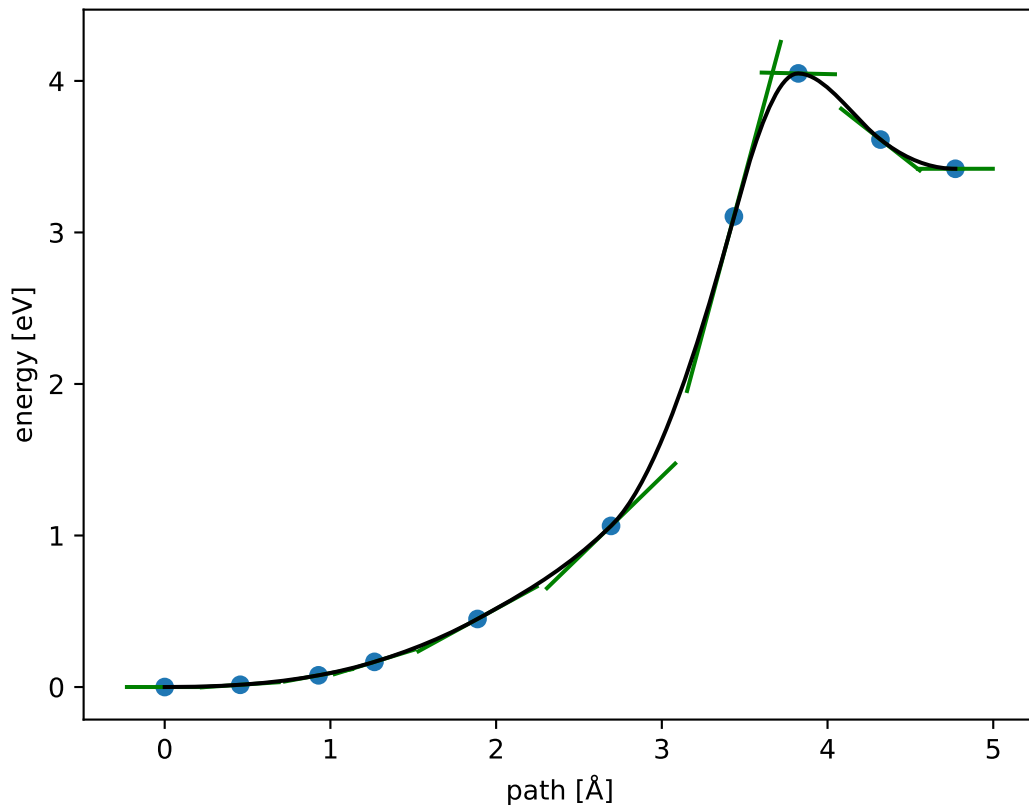
$$E_f \approx 4.050 \text{ eV}; E_r \approx 0.630 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



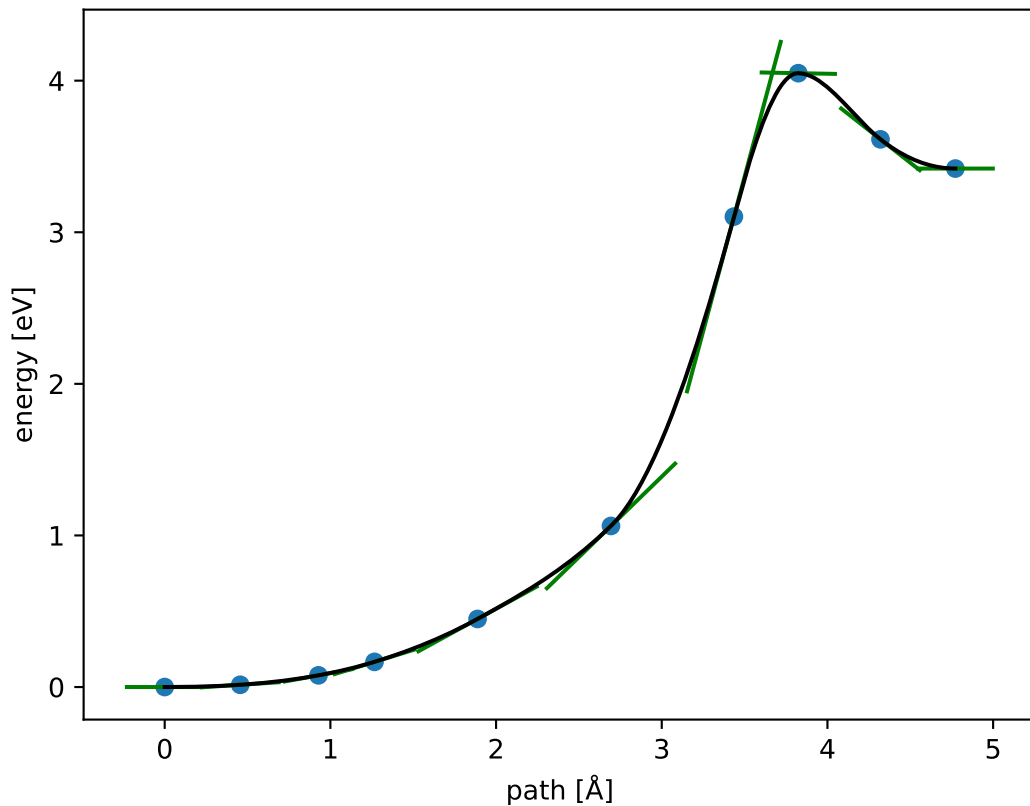
$$E_f \approx 4.050 \text{ eV}; E_r \approx 0.630 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



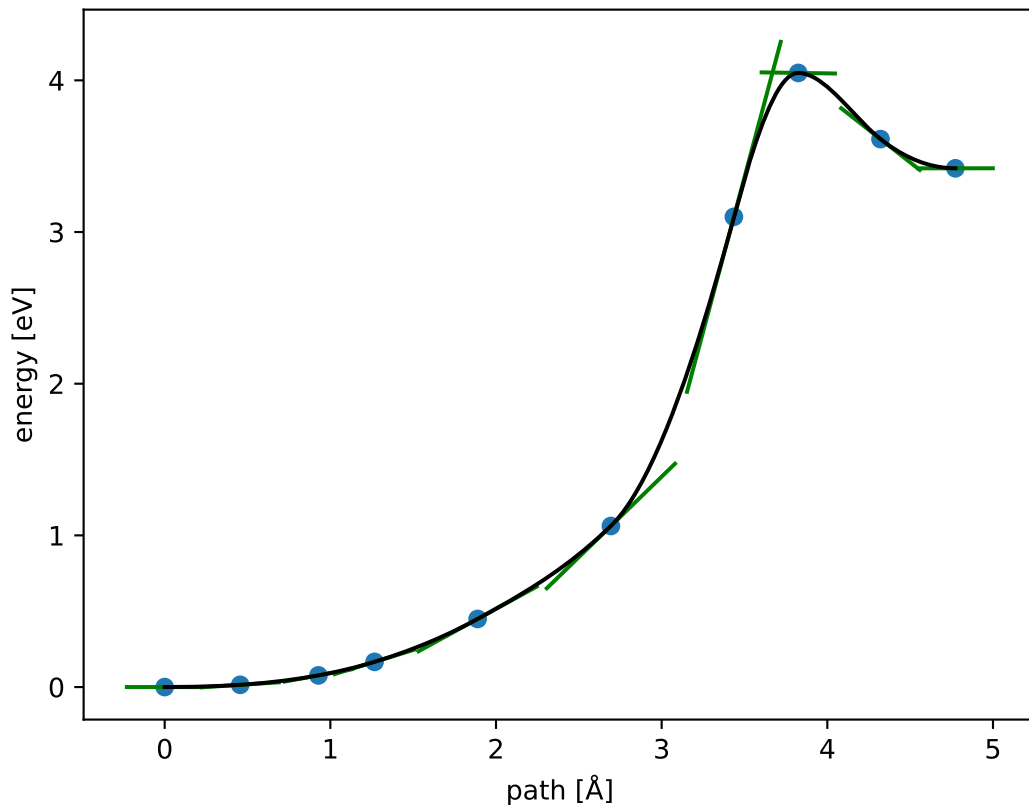
$$E_f \approx 4.050 \text{ eV}; E_r \approx 0.629 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



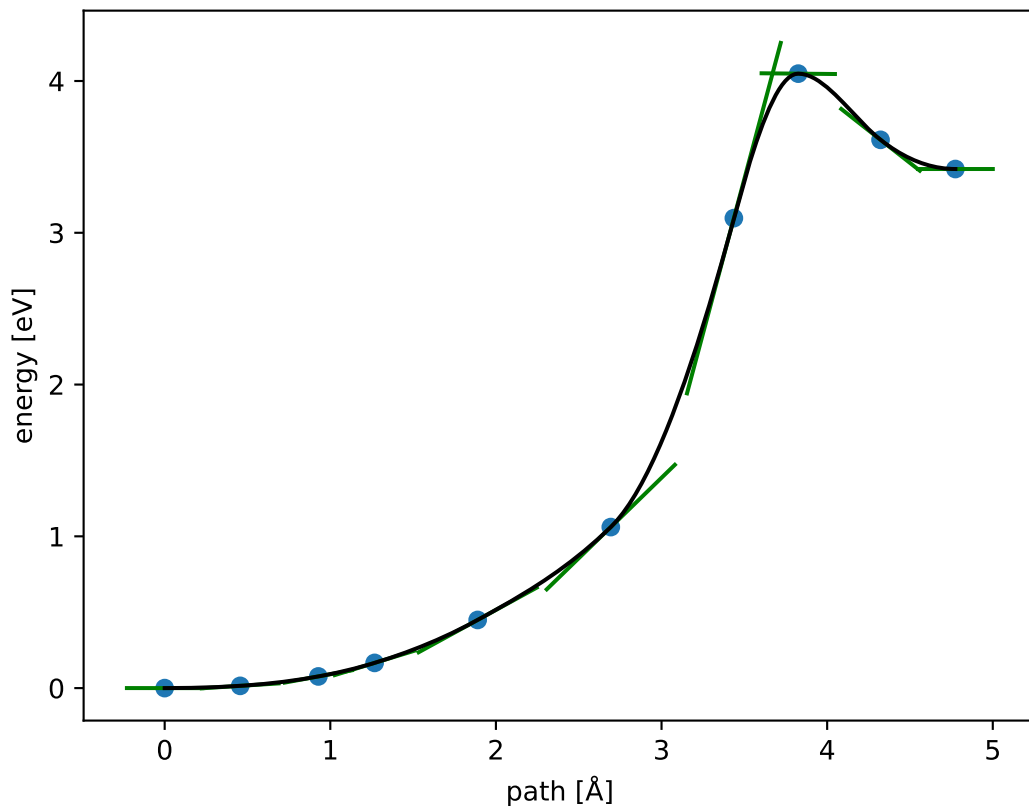
$$E_f \approx 4.049 \text{ eV}; E_r \approx 0.629 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



$$E_f \approx 4.049 \text{ eV}; E_r \approx 0.629 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

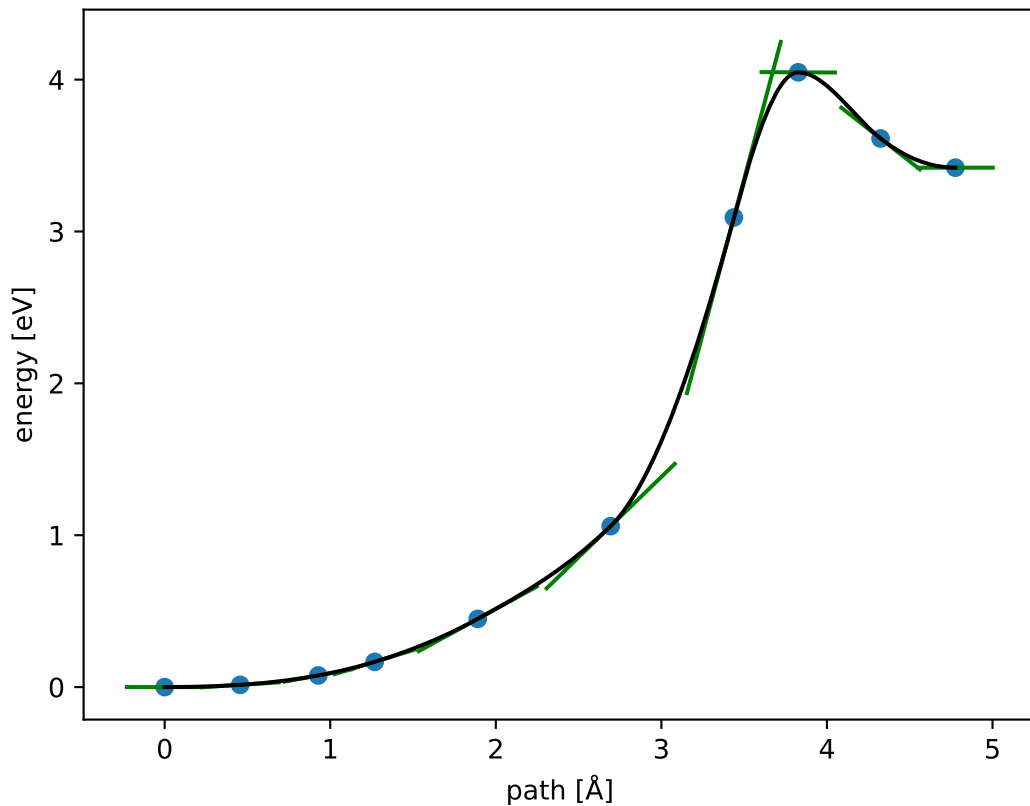


$$E_f \approx 4.049 \text{ eV}; E_r \approx 0.628 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

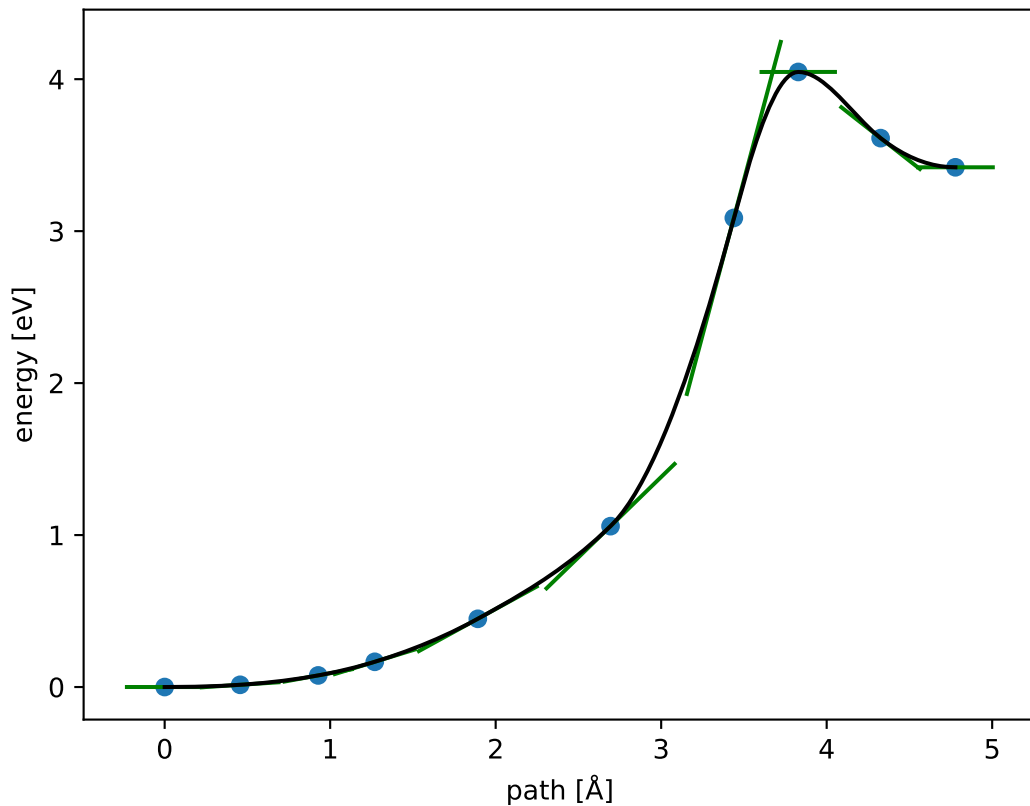




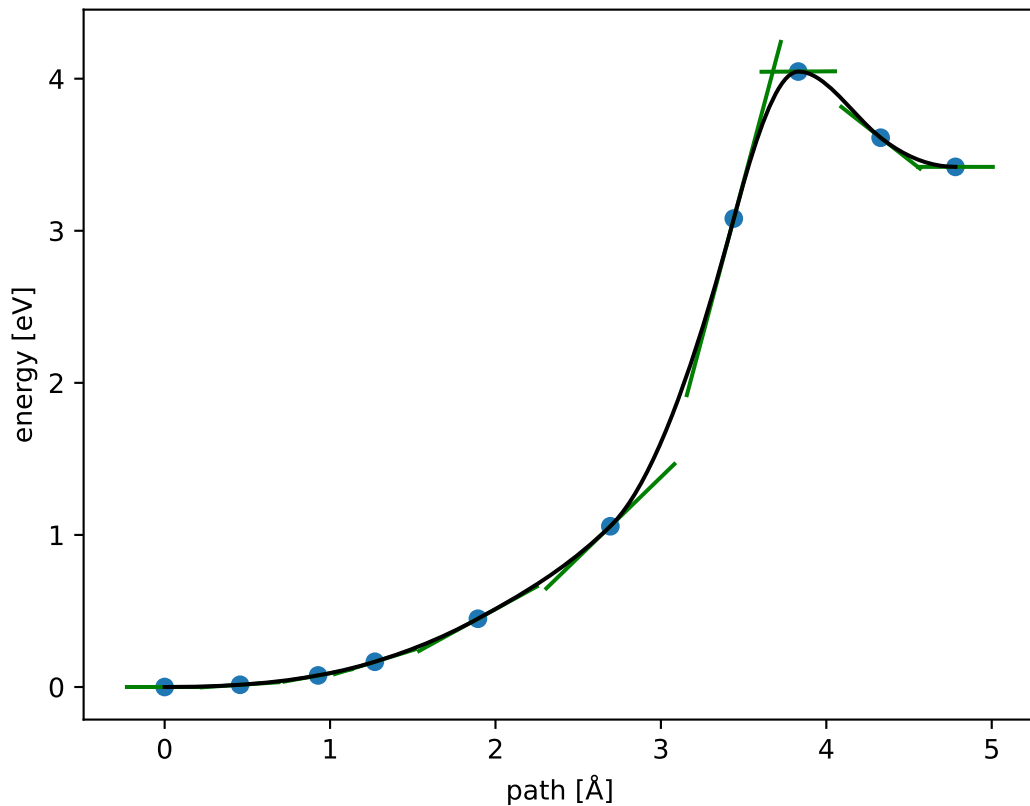
$$E_f \approx 4.048 \text{ eV}; E_r \approx 0.628 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



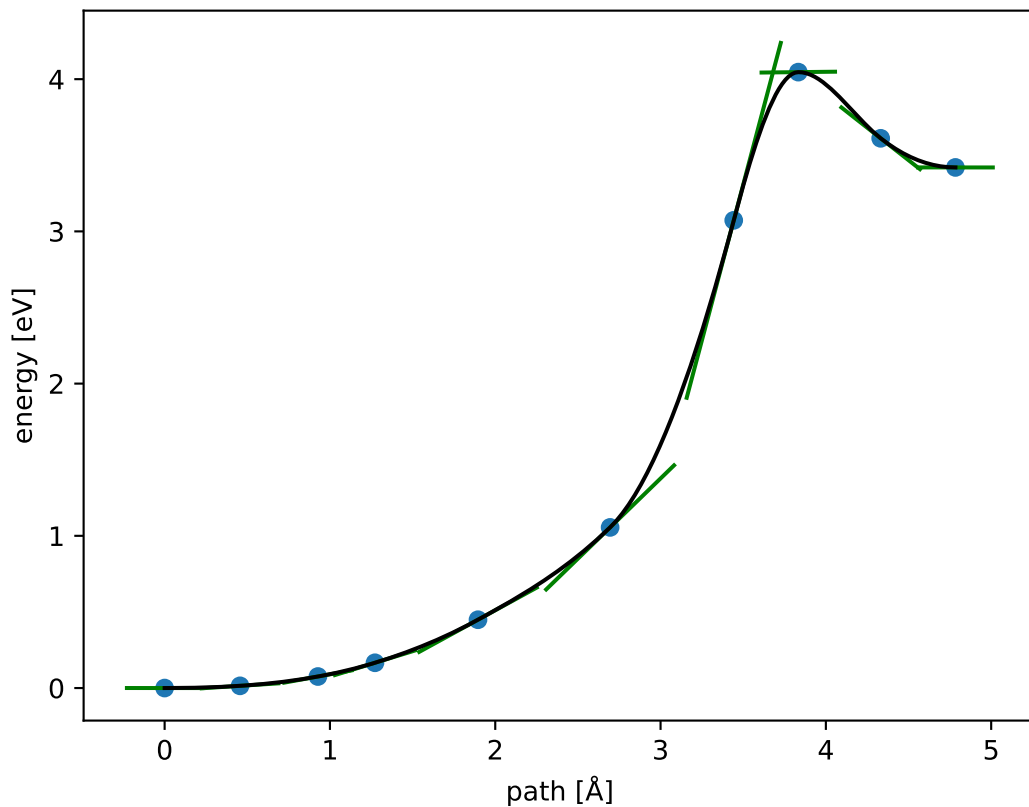
$$E_f \approx 4.047 \text{ eV}; E_r \approx 0.627 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



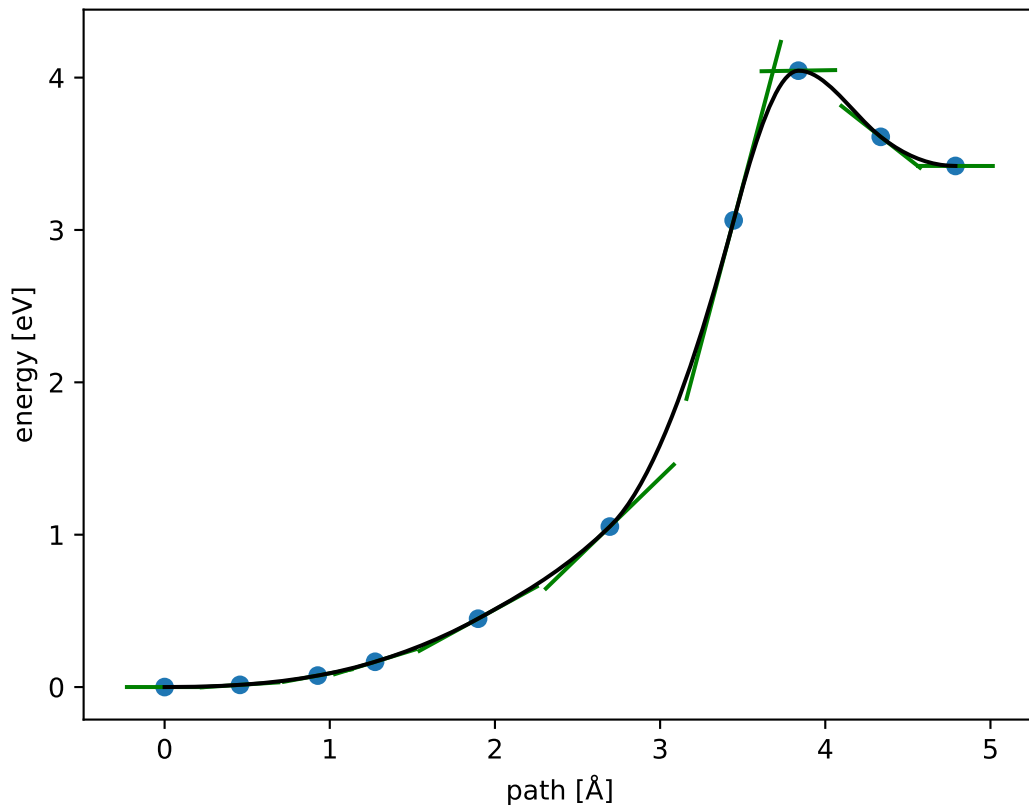
$$E_f \approx 4.047 \text{ eV}; E_r \approx 0.627 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



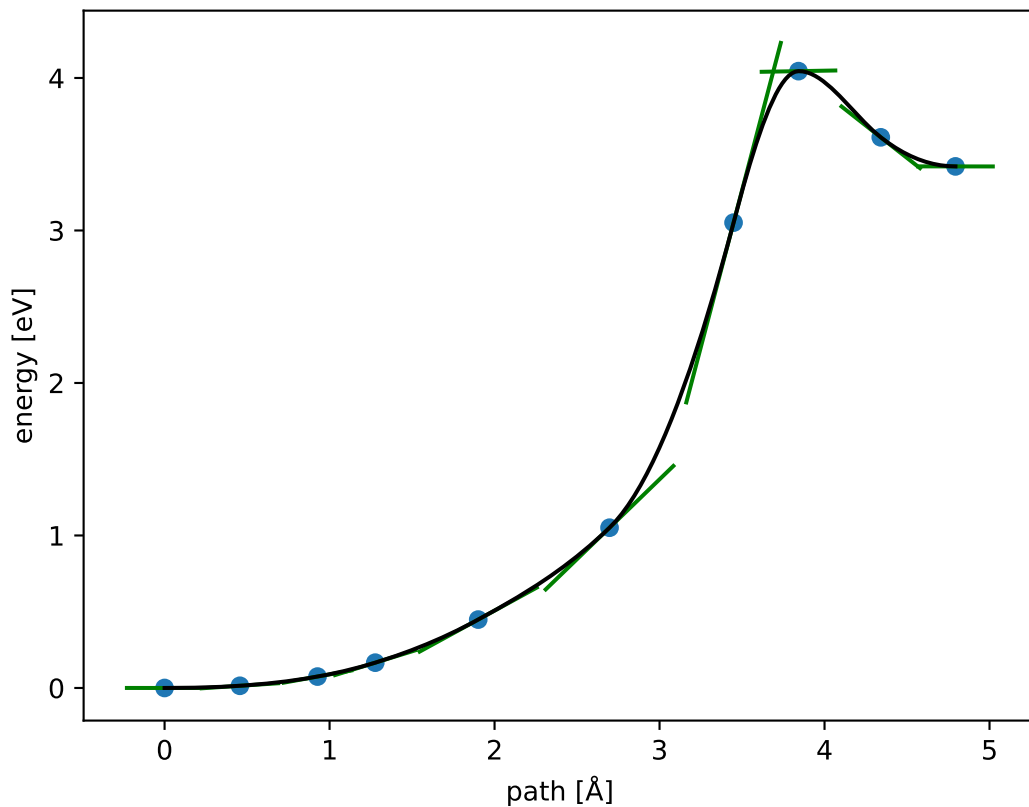
$$E_f \approx 4.046 \text{ eV}; E_r \approx 0.626 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



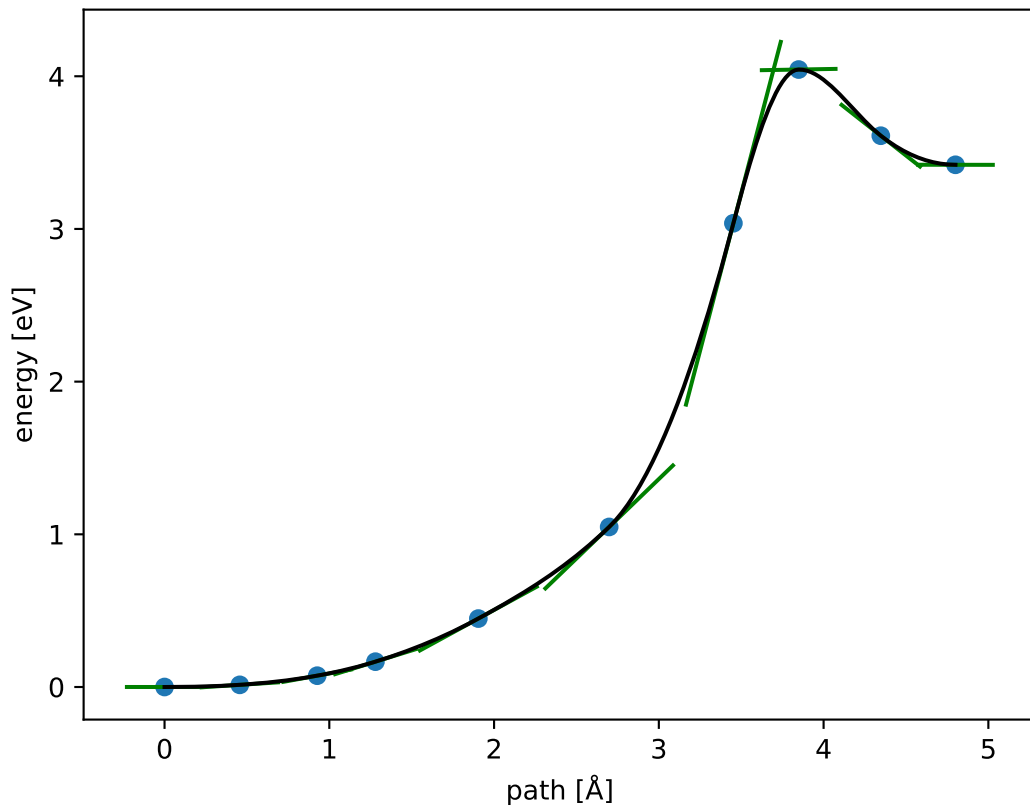
$$E_f \approx 4.045 \text{ eV}; E_r \approx 0.625 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



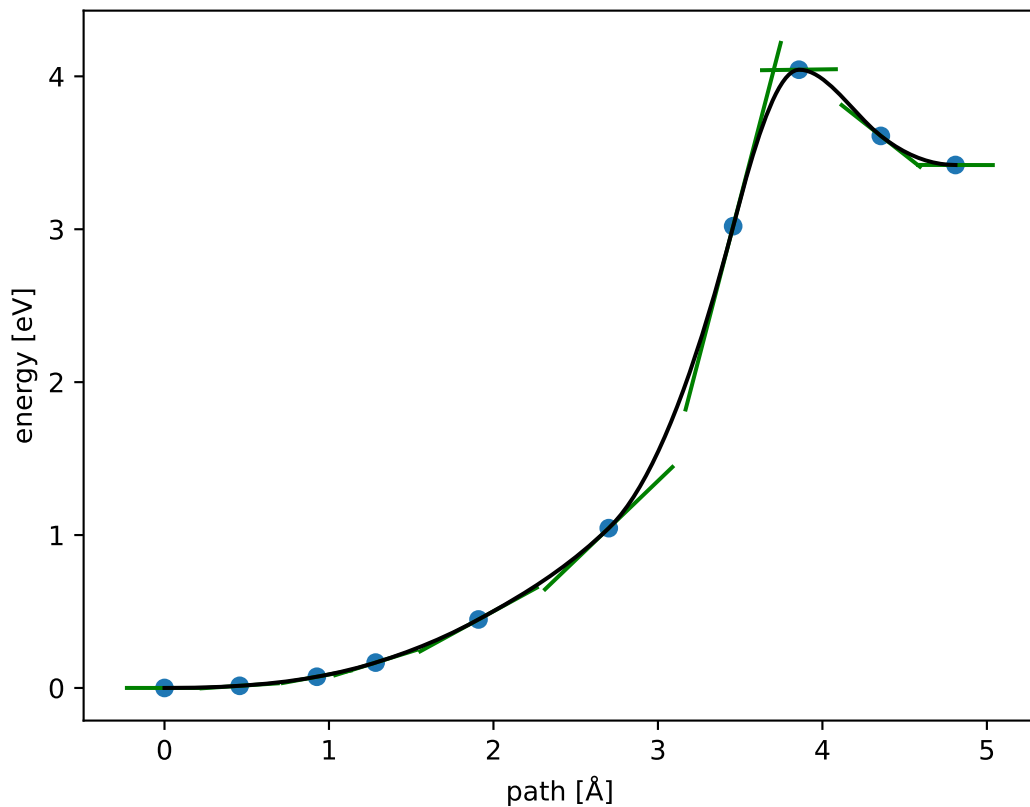
$$E_f \approx 4.045 \text{ eV}; E_r \approx 0.625 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



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

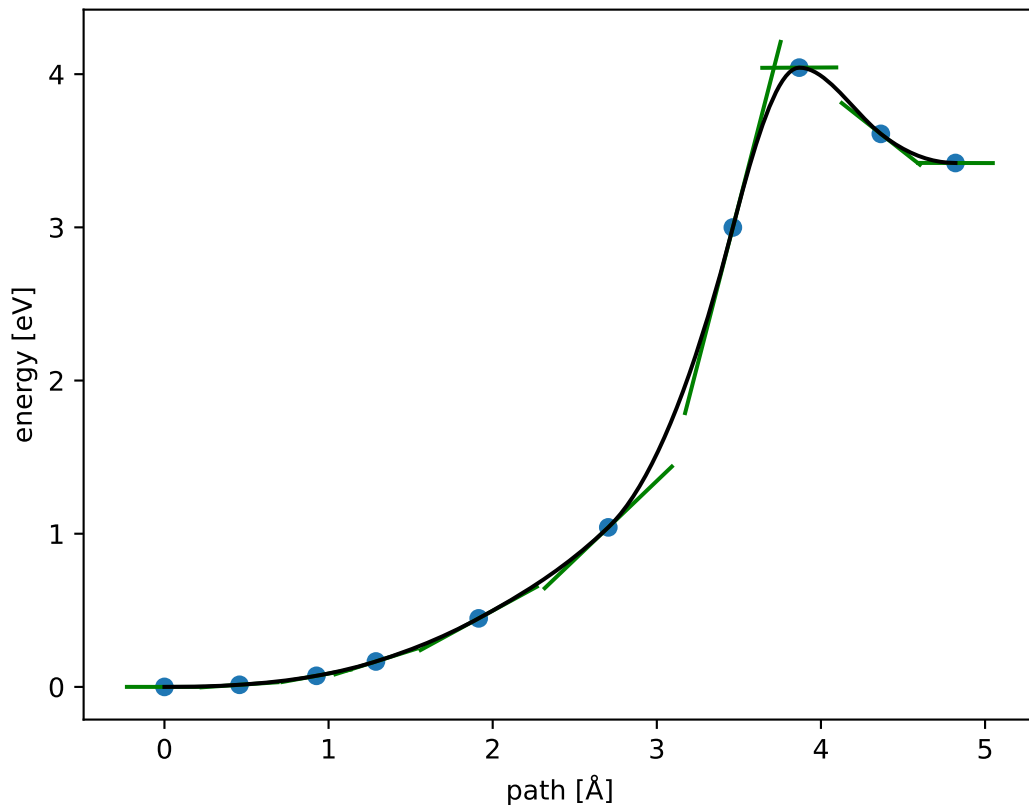


$$E_f \approx 4.043 \text{ eV}; E_r \approx 0.623 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

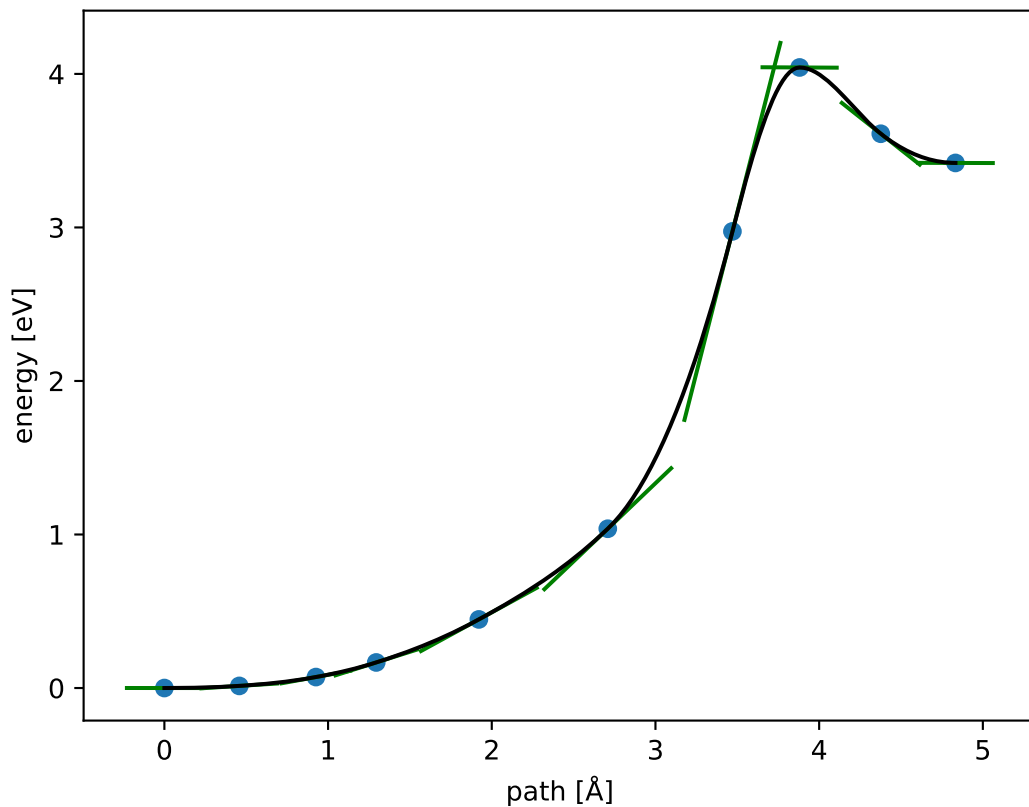




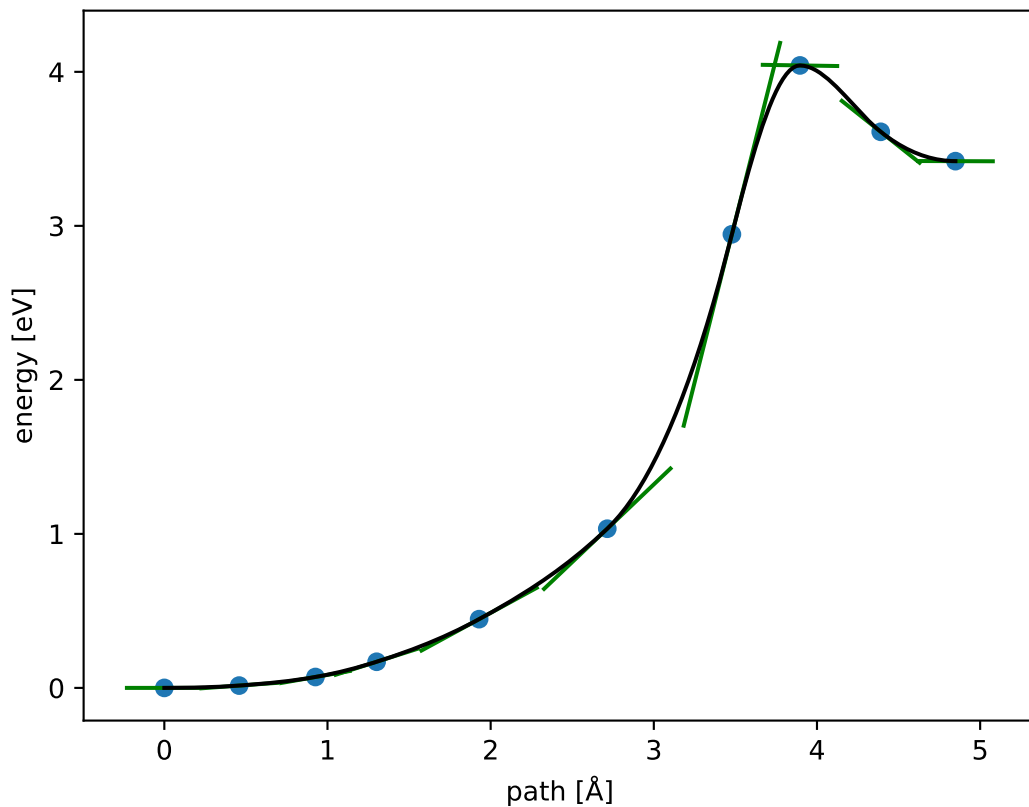
$$E_f \approx 4.043 \text{ eV}; E_r \approx 0.623 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



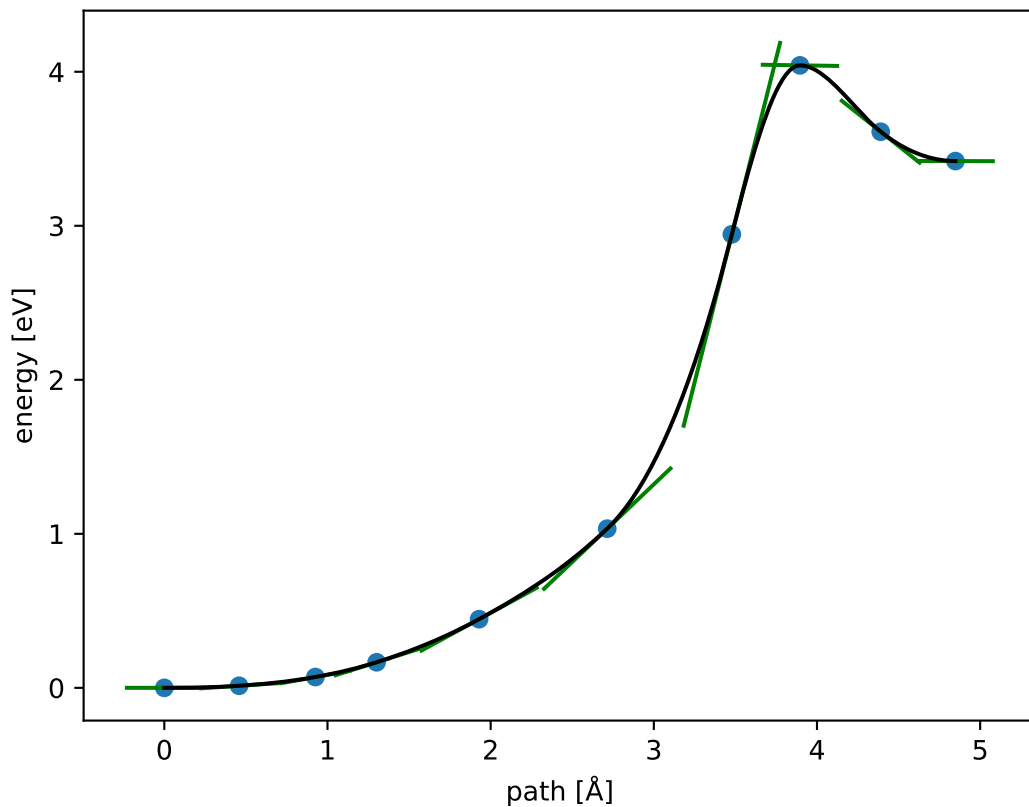
$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.622 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



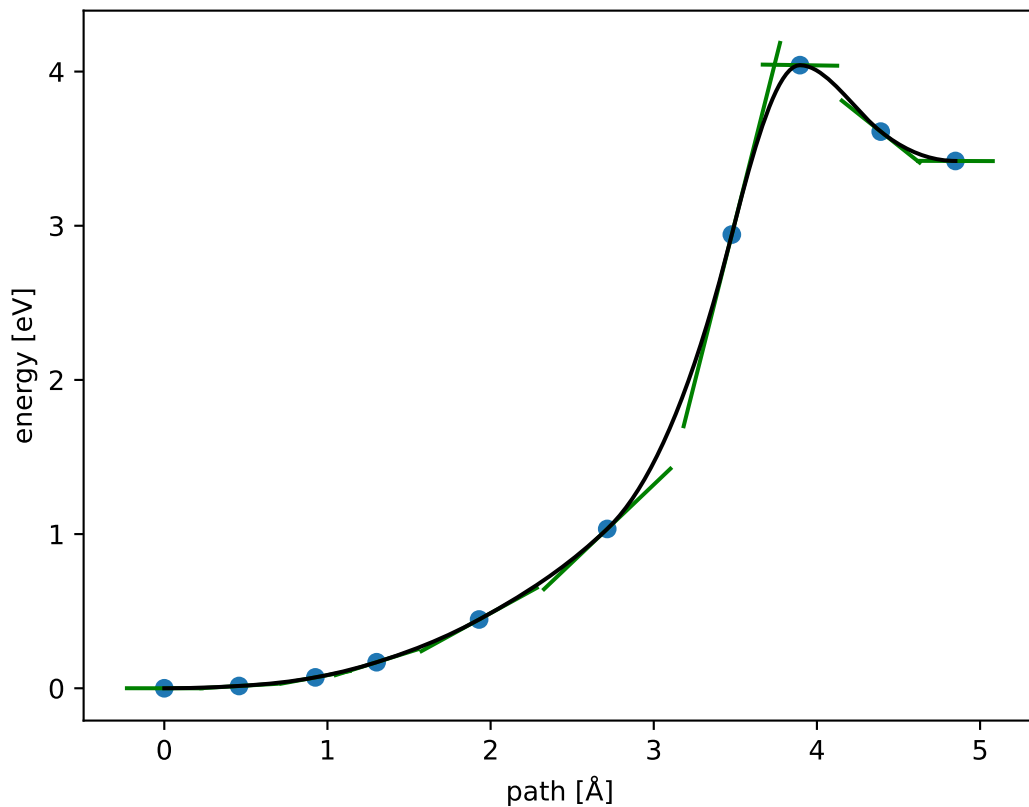
$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.622 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



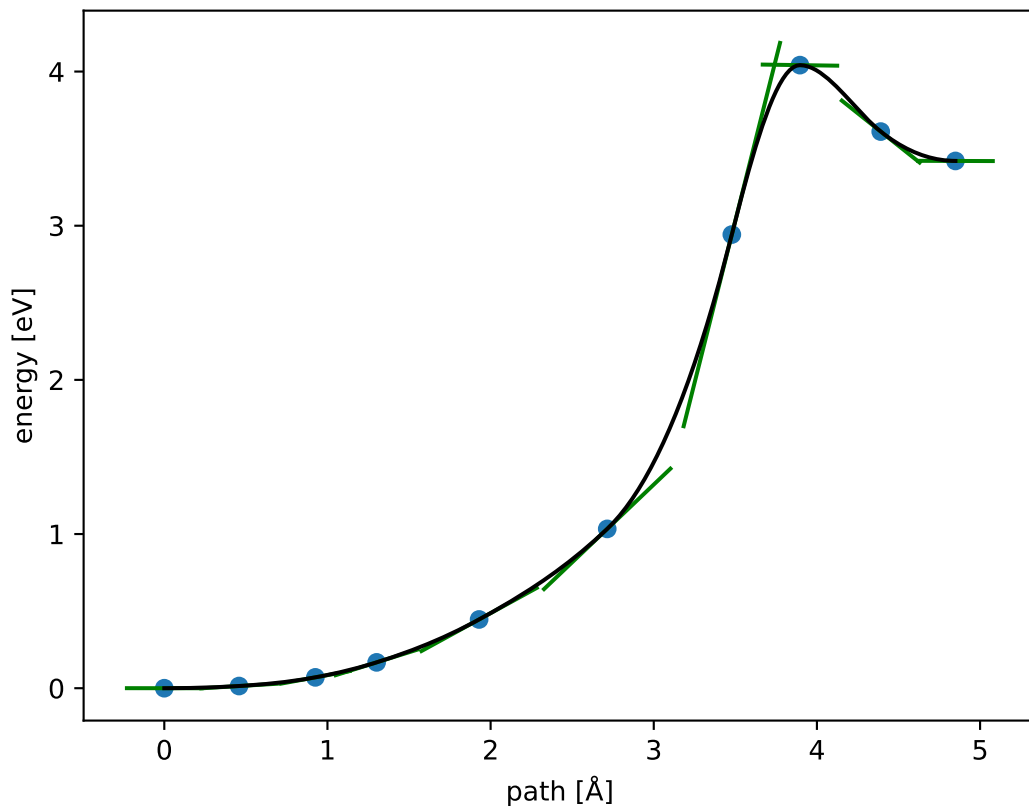
$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.622 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



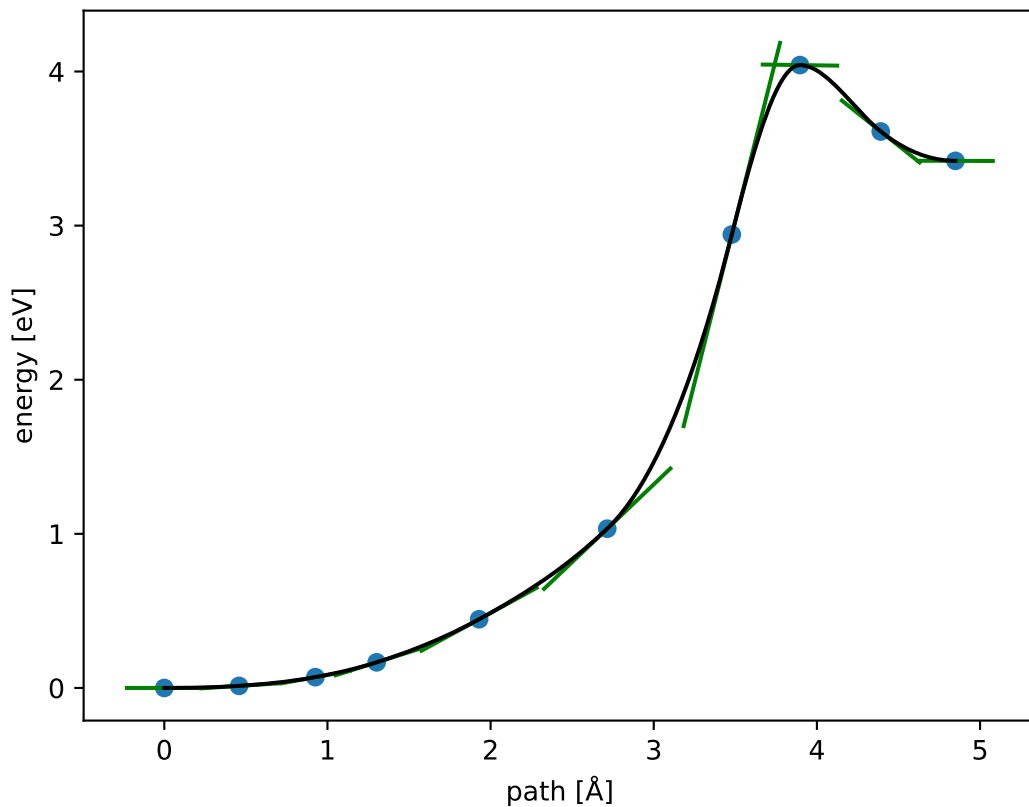
$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.622 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



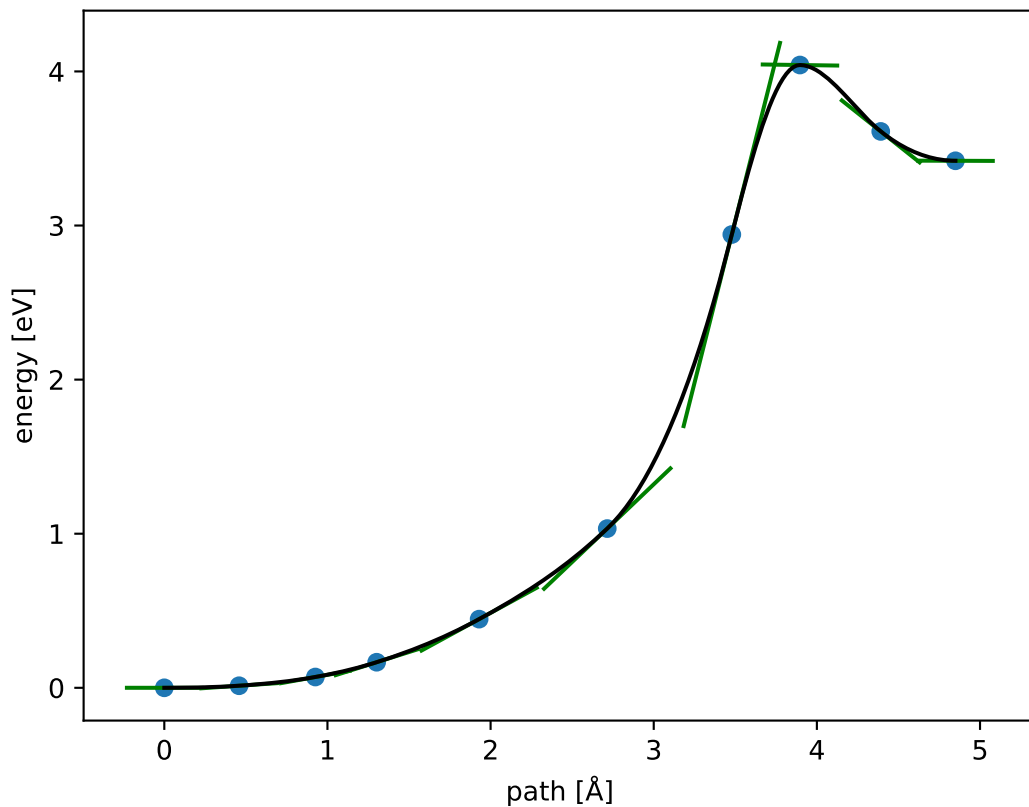
$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.622 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



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

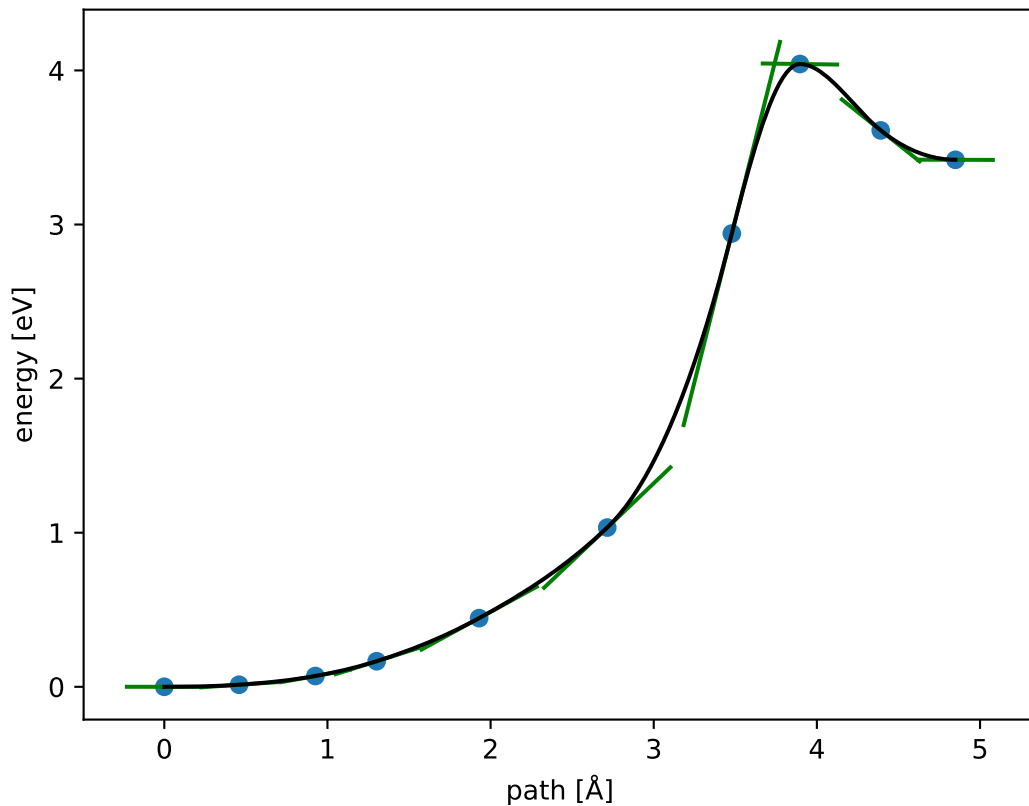


$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.622 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

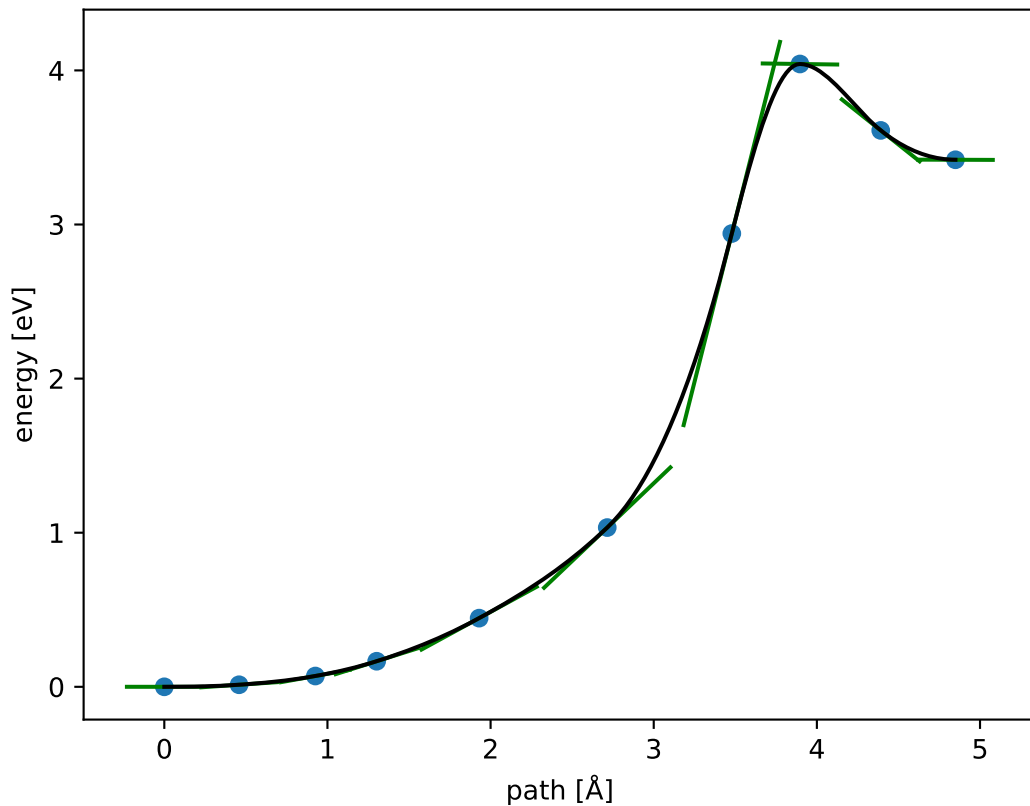




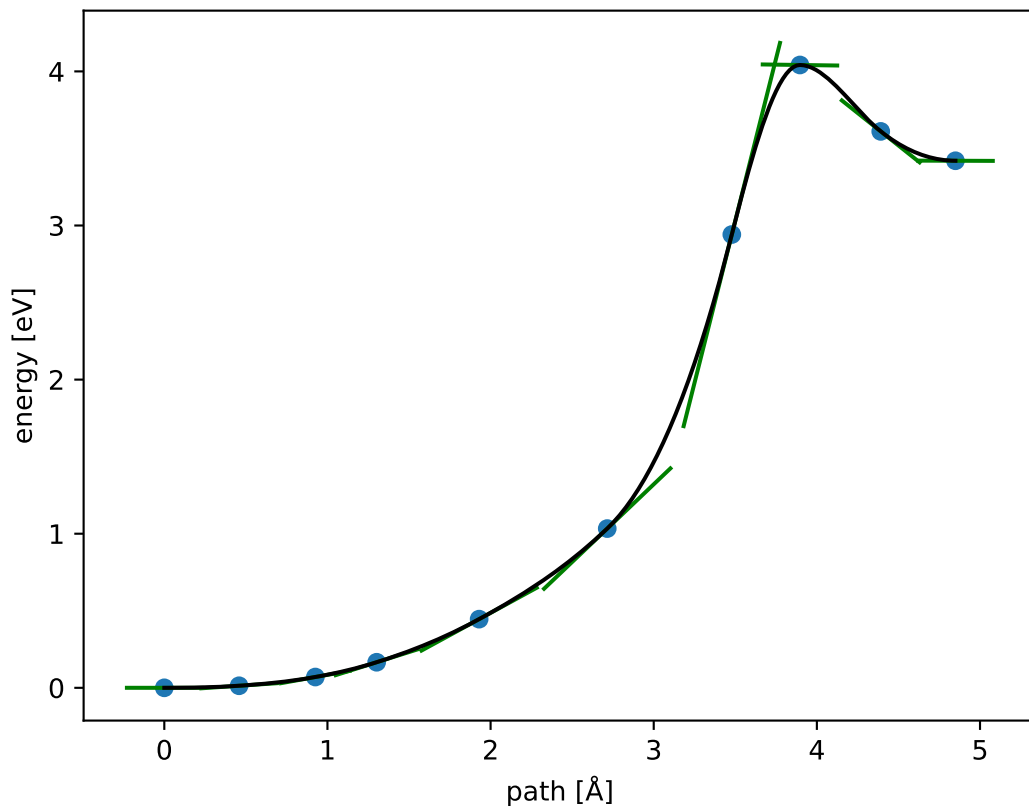
$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.622 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



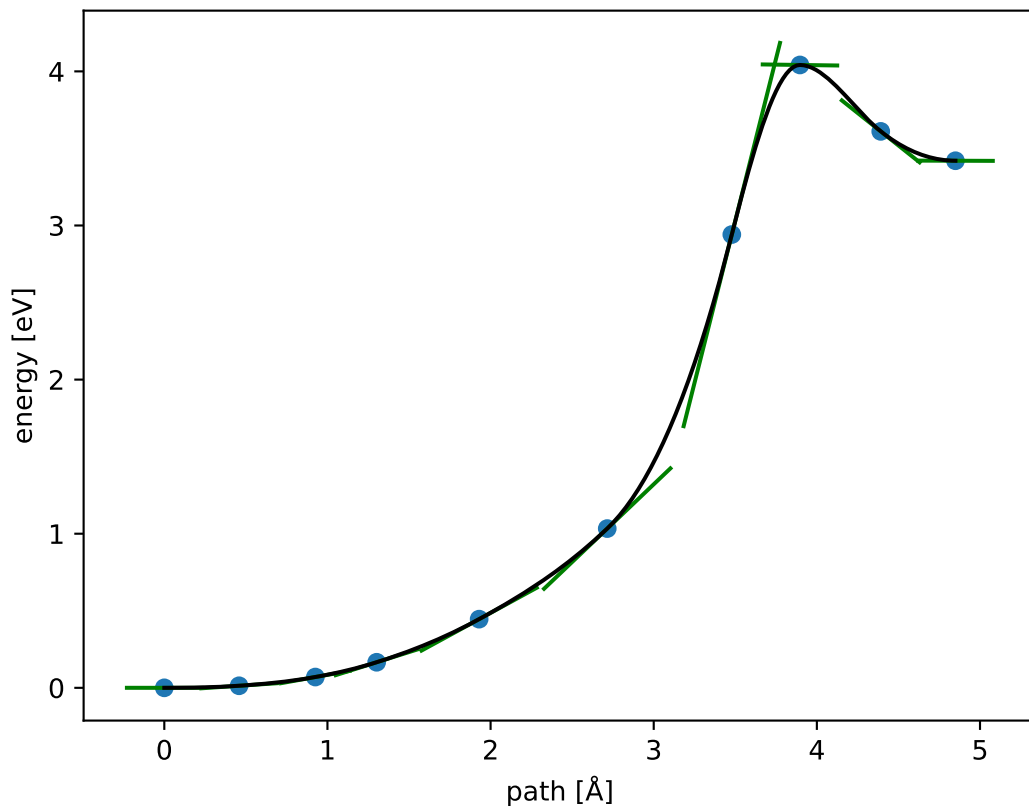
$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.622 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



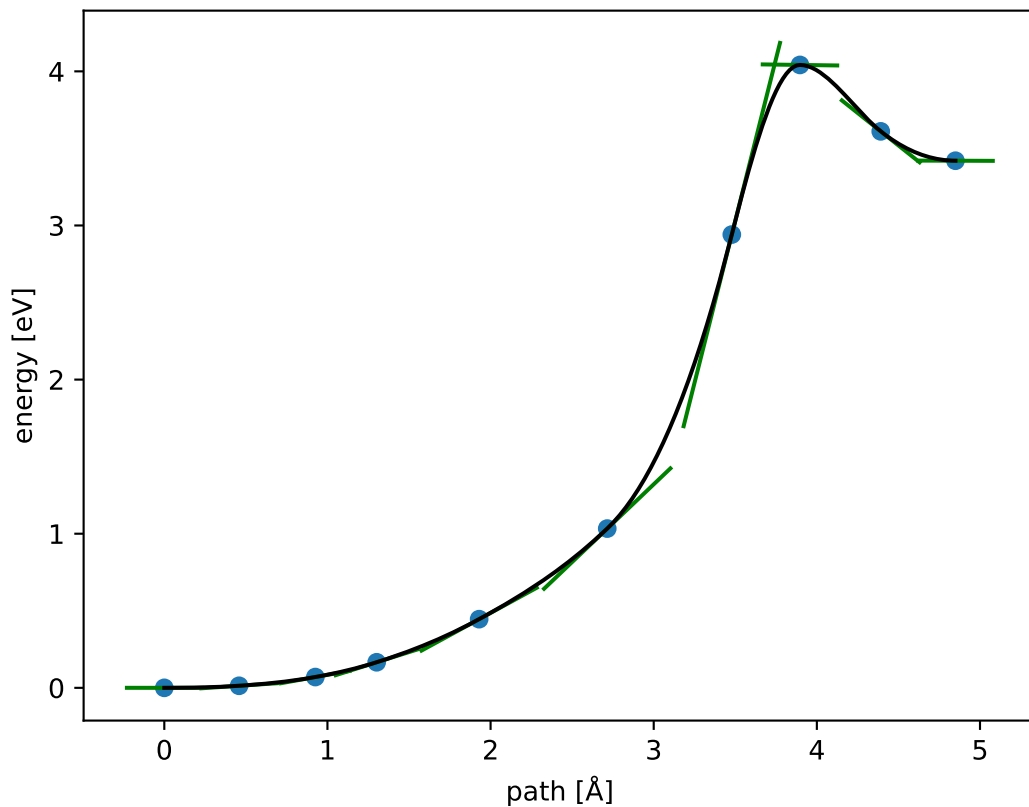
$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.622 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



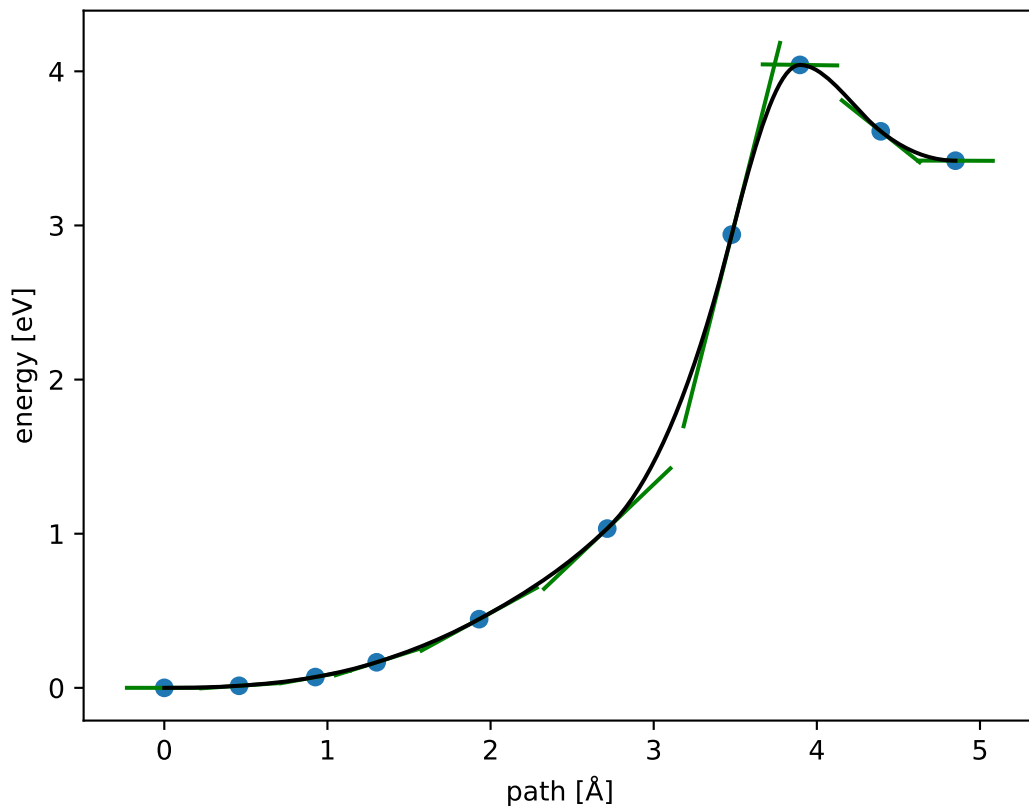
$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.622 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



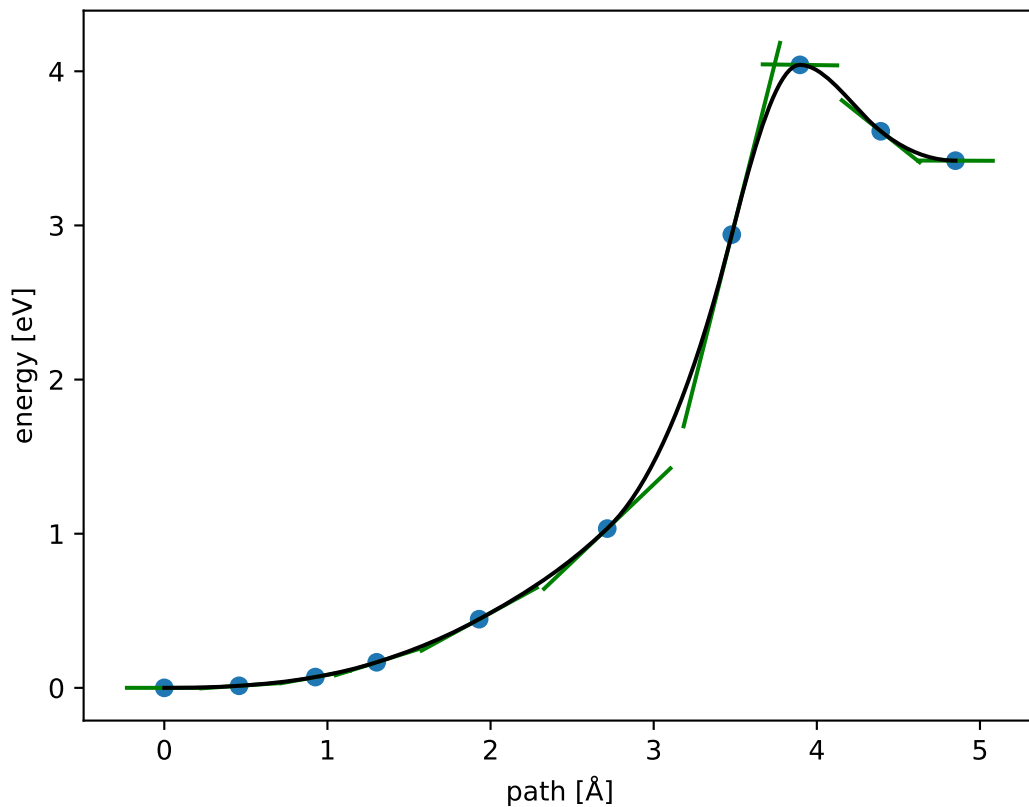
$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.622 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



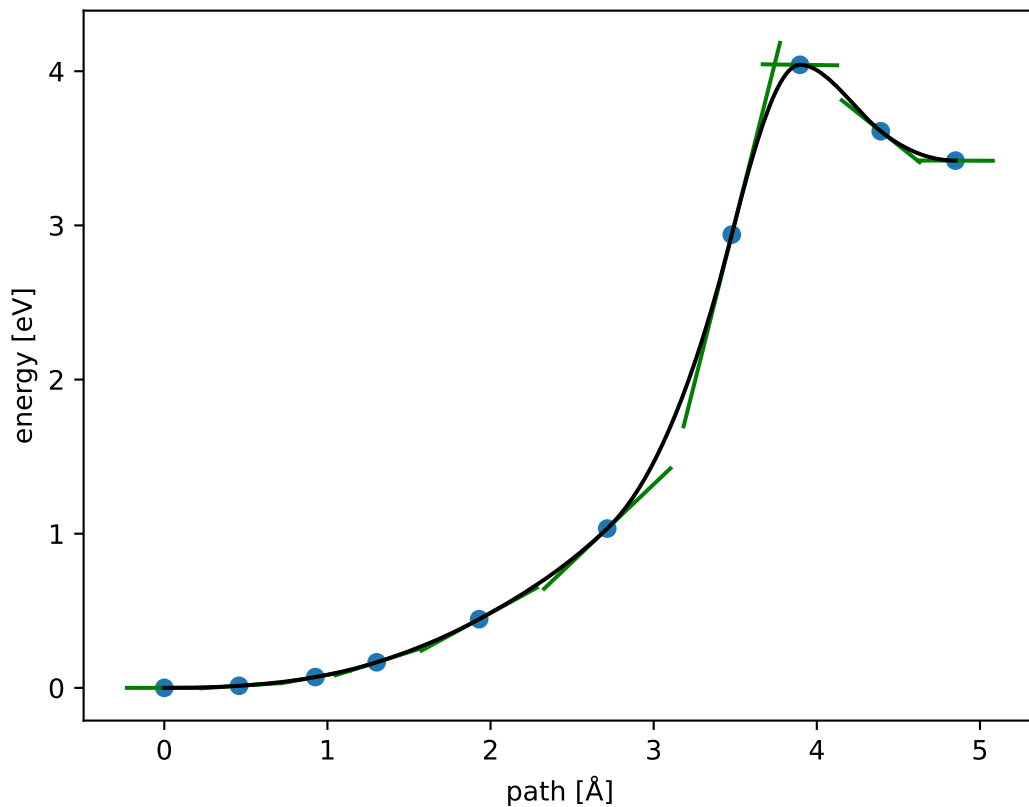
$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.622 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



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

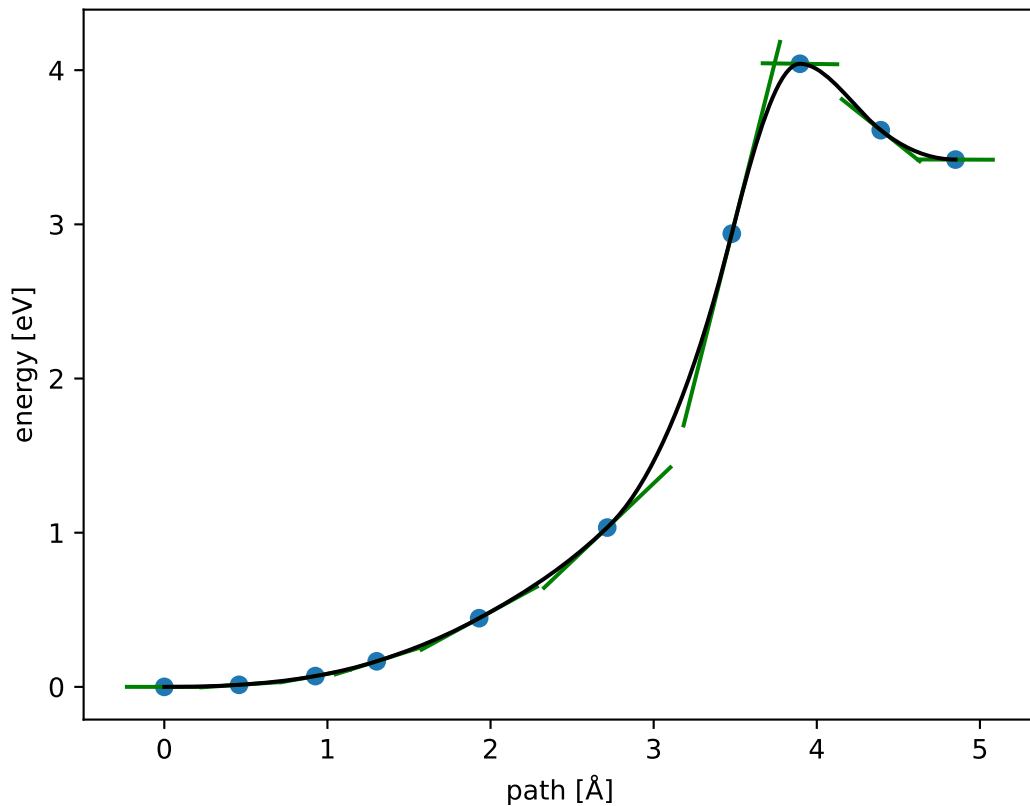


$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.621 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

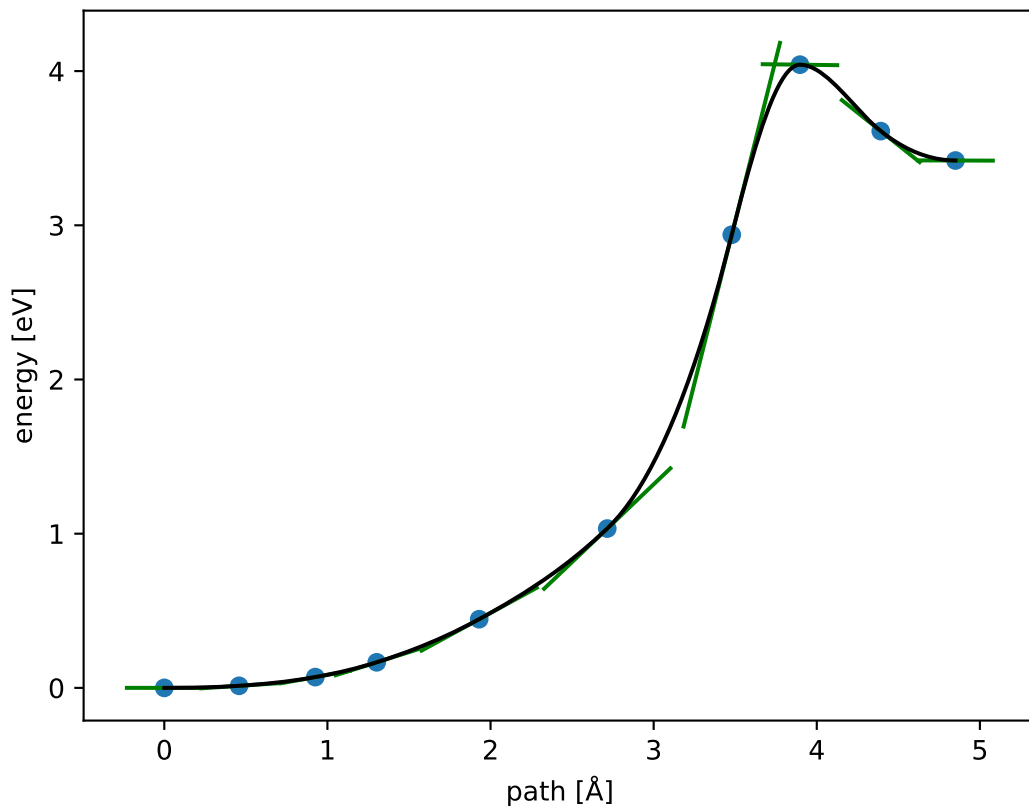




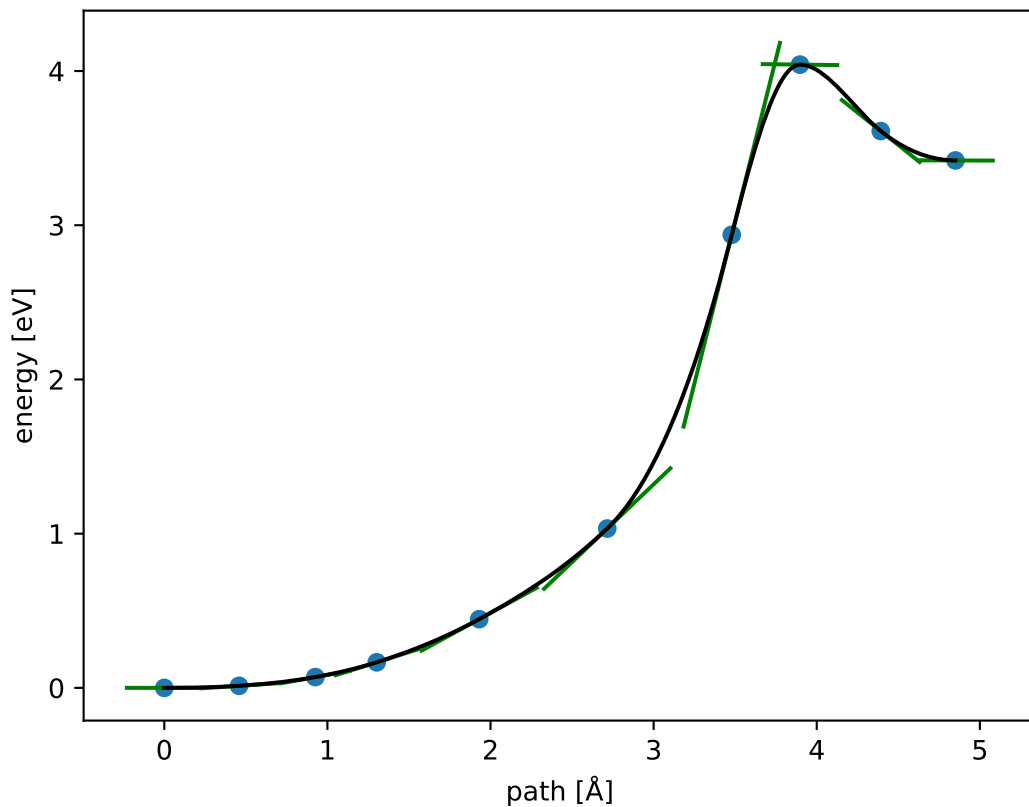
$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.621 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



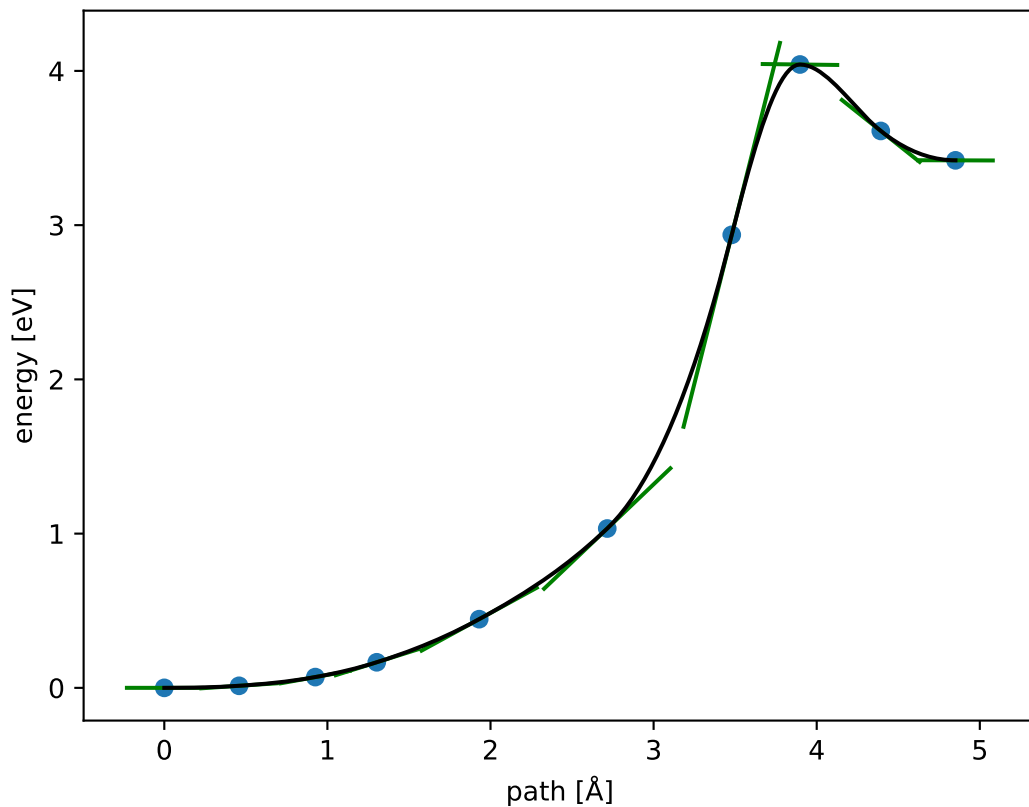
$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.621 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



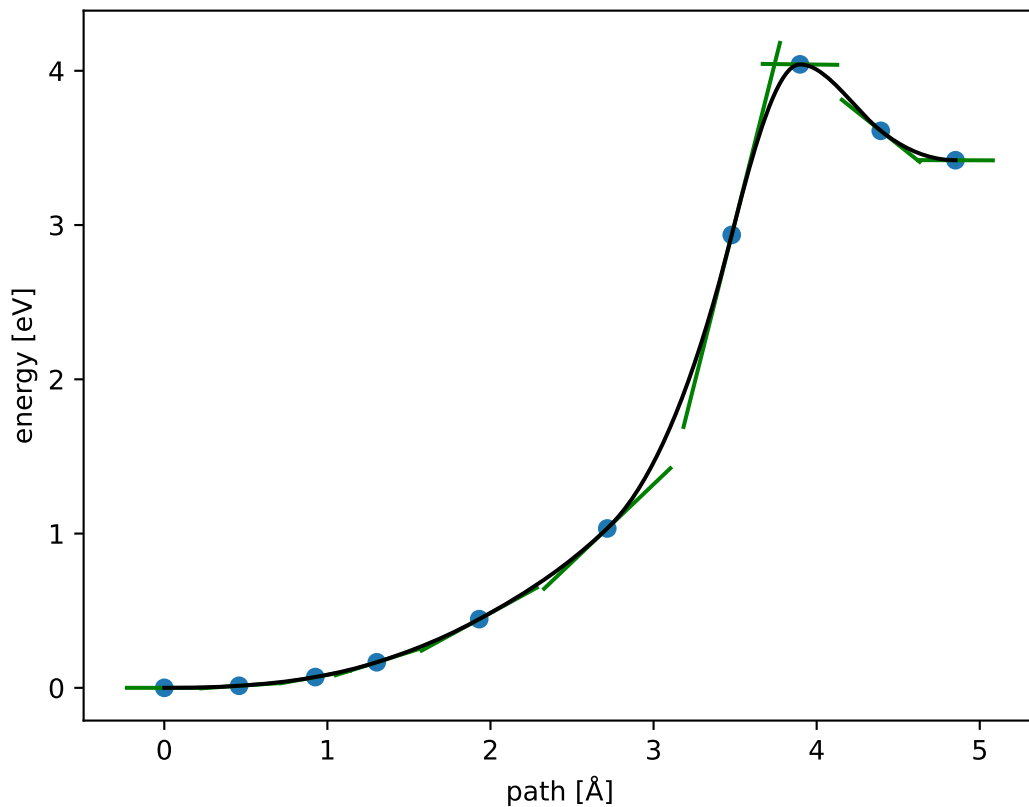
$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.621 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



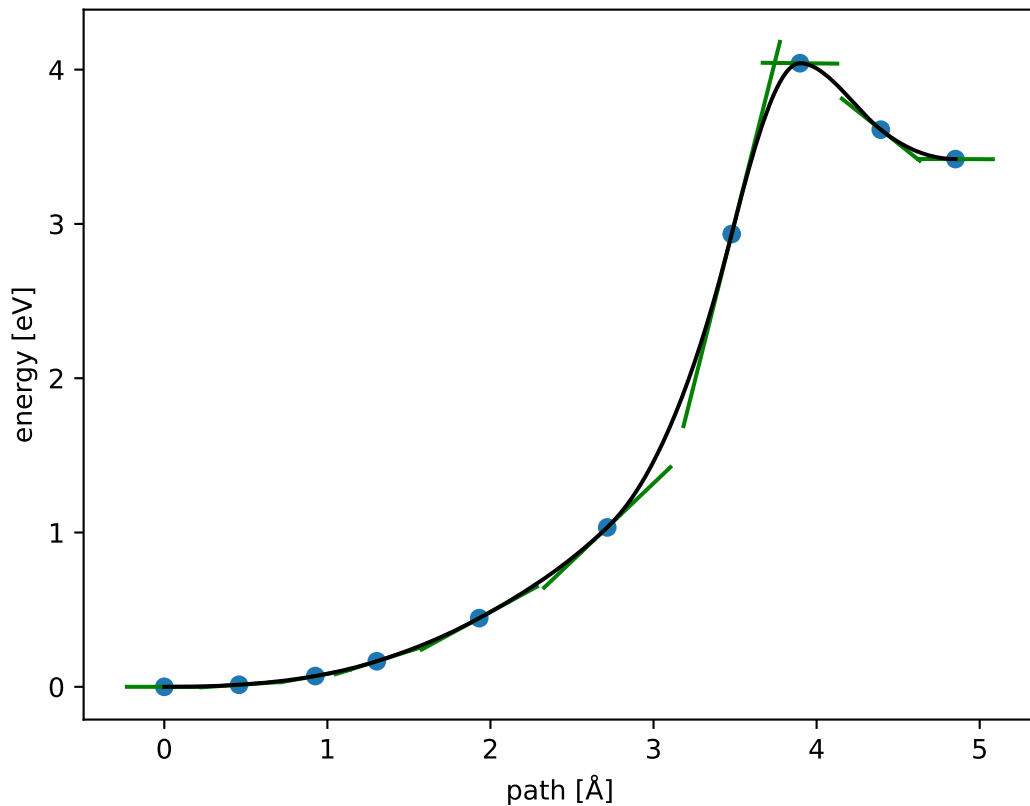
$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.621 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



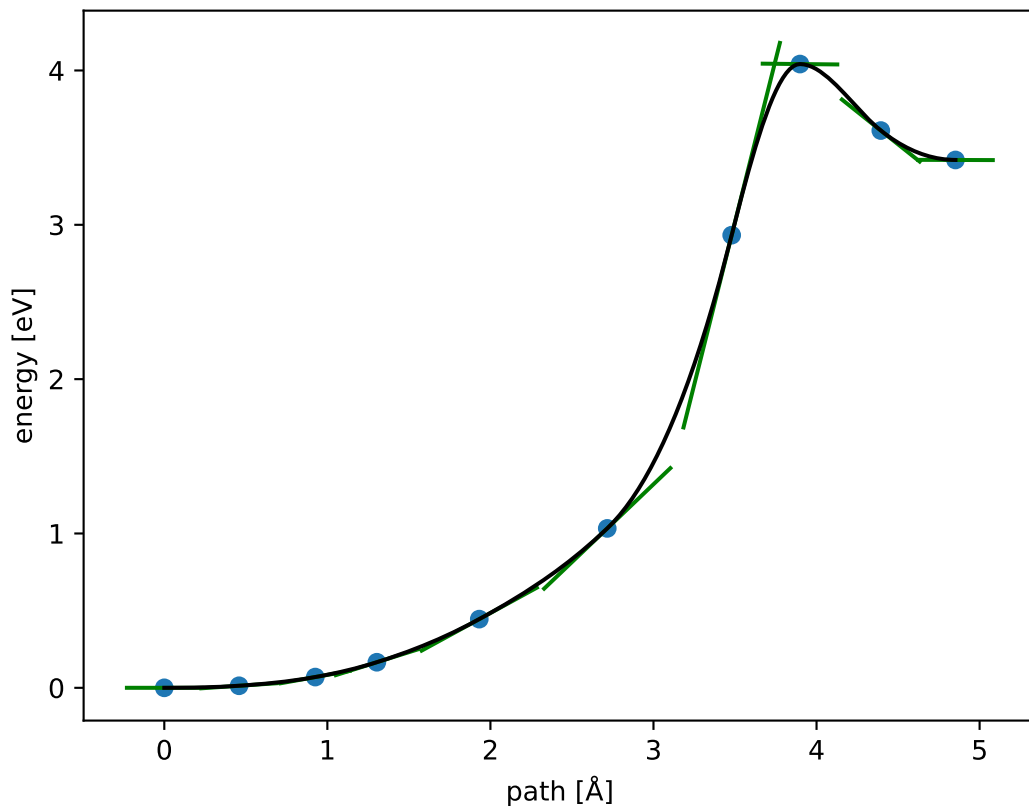
$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.621 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



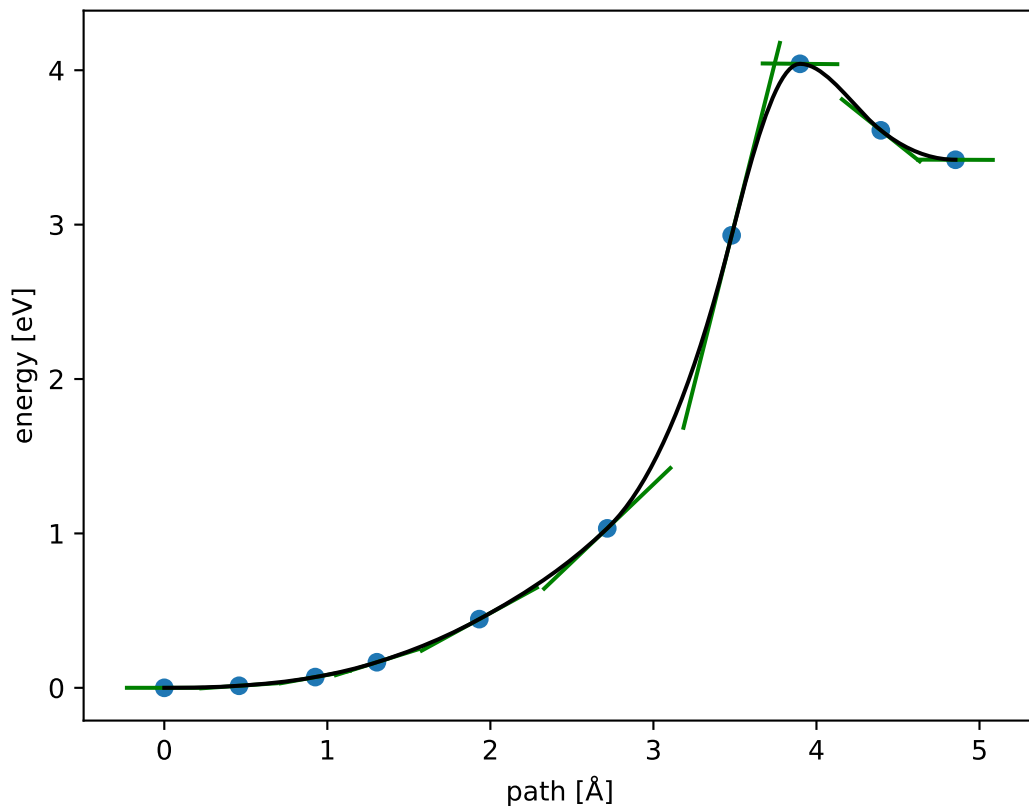
$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.621 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



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

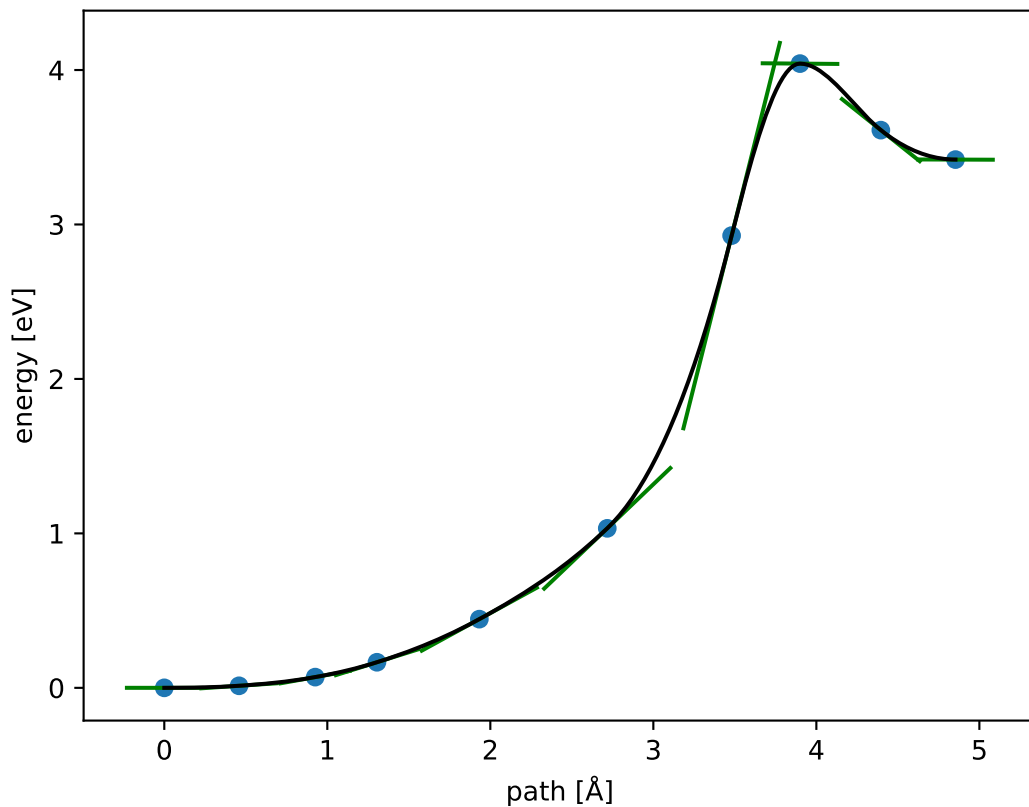


$$E_f \approx 4.042 \text{ eV}; E_r \approx 0.621 \text{ eV}; \Delta E = 3.420 \text{ eV}$$

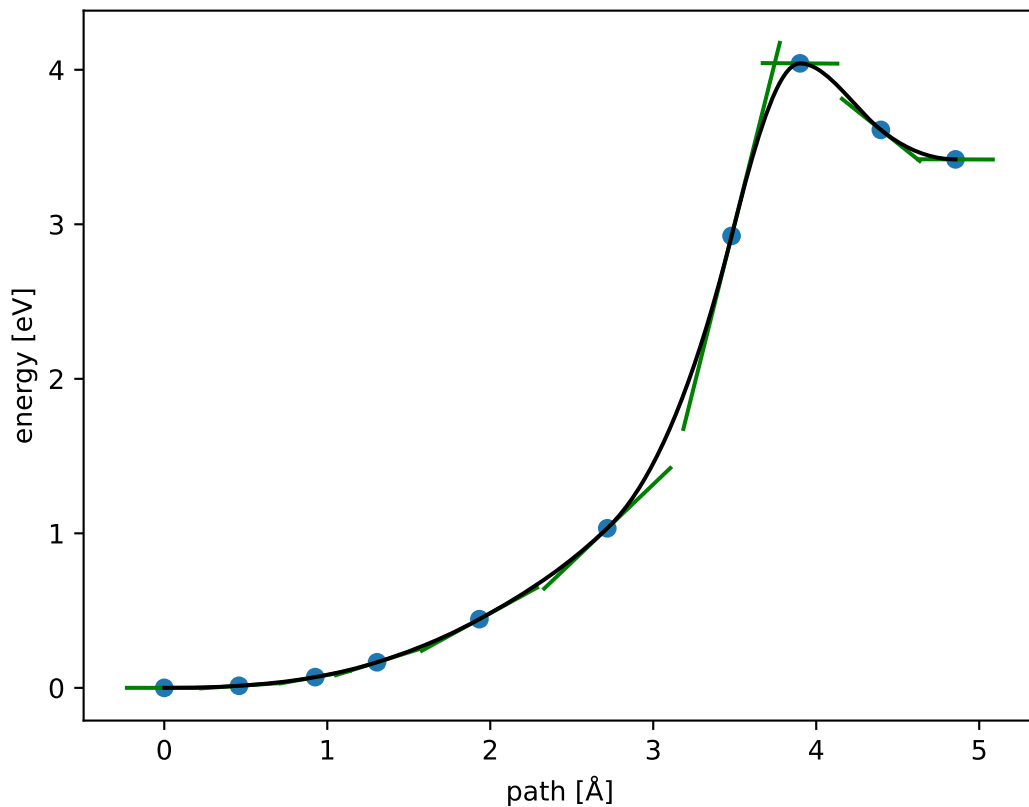




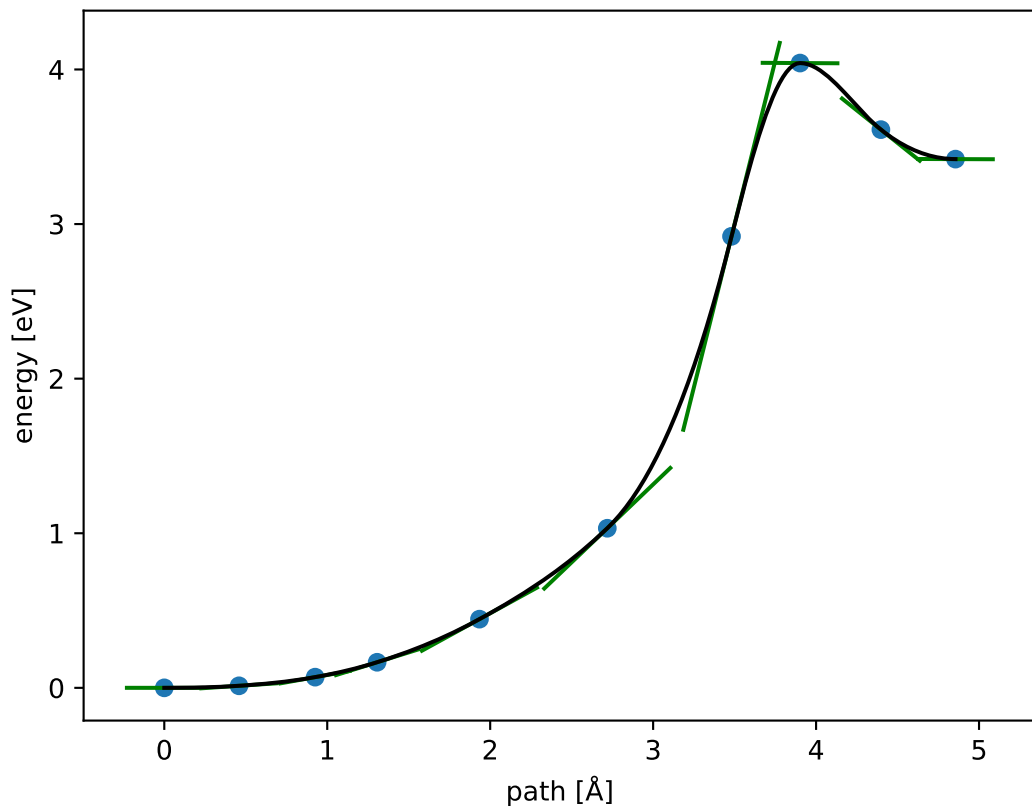
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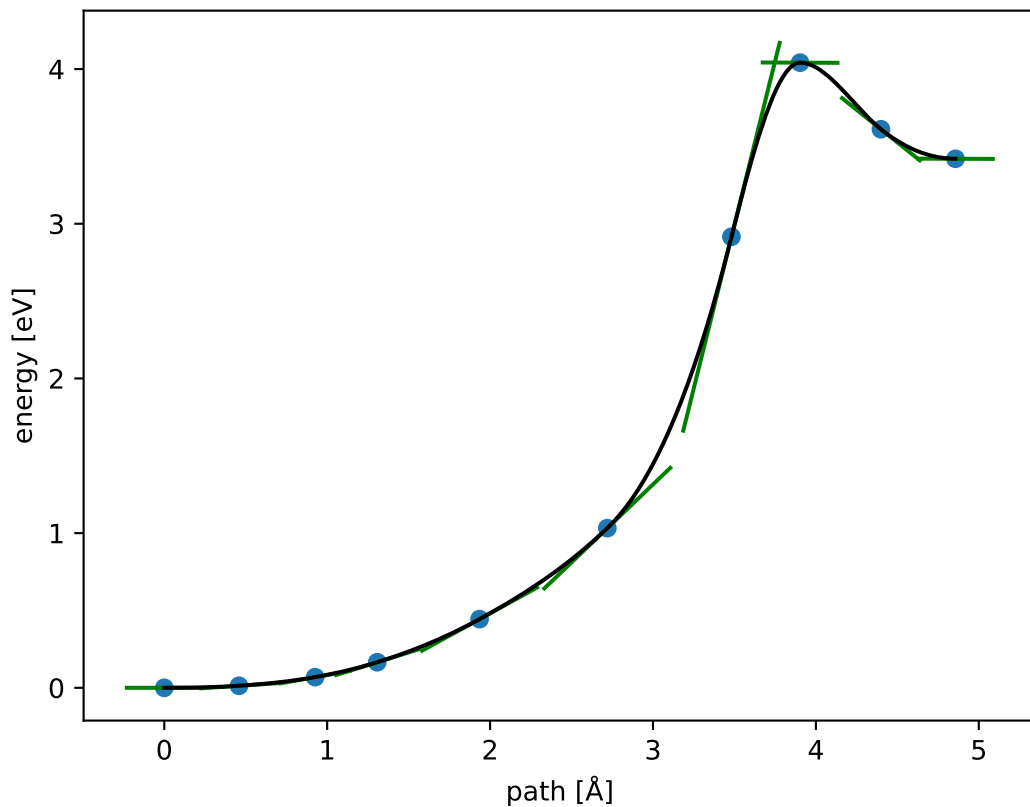
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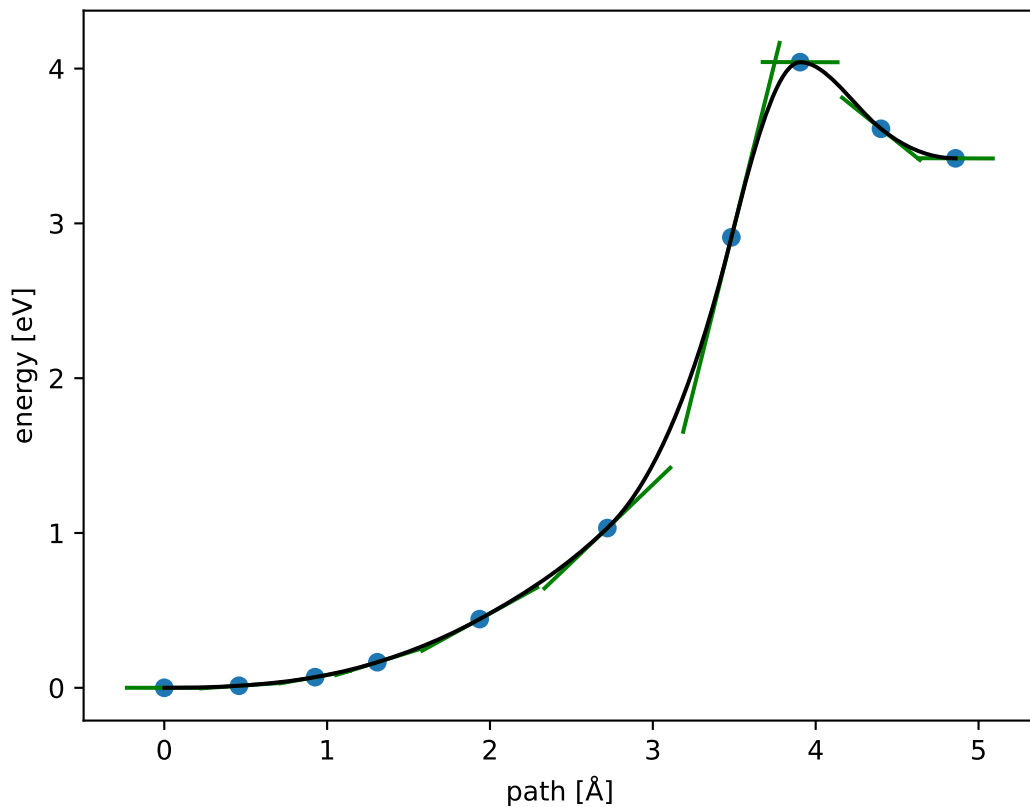
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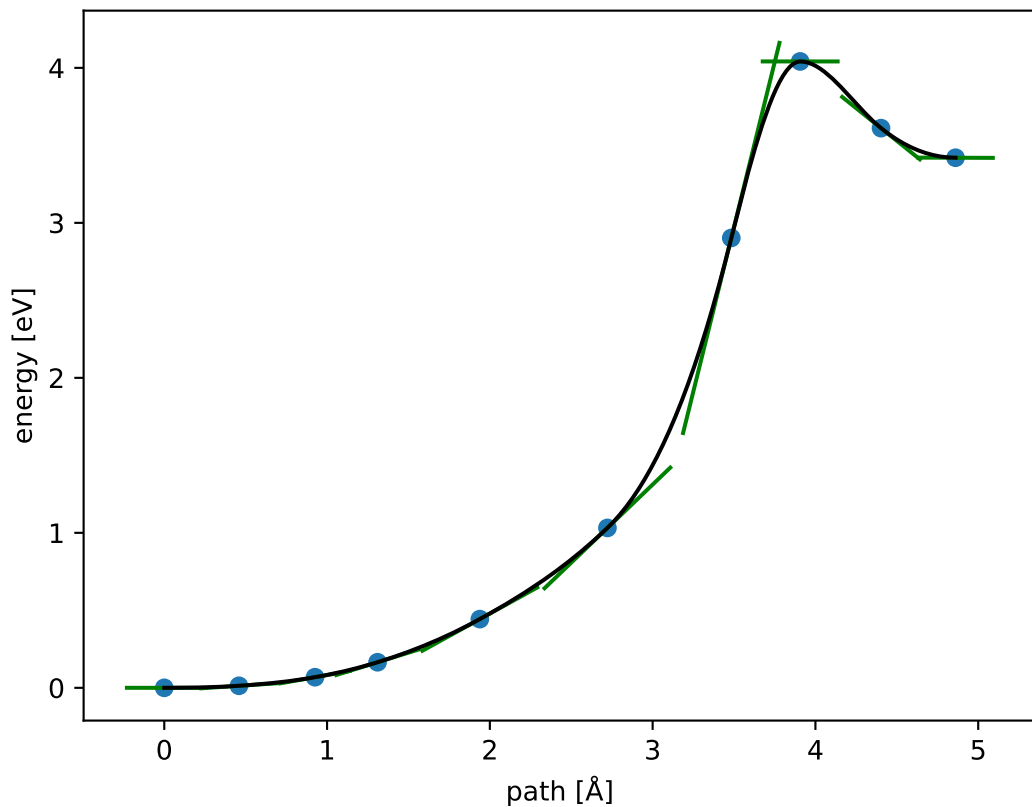
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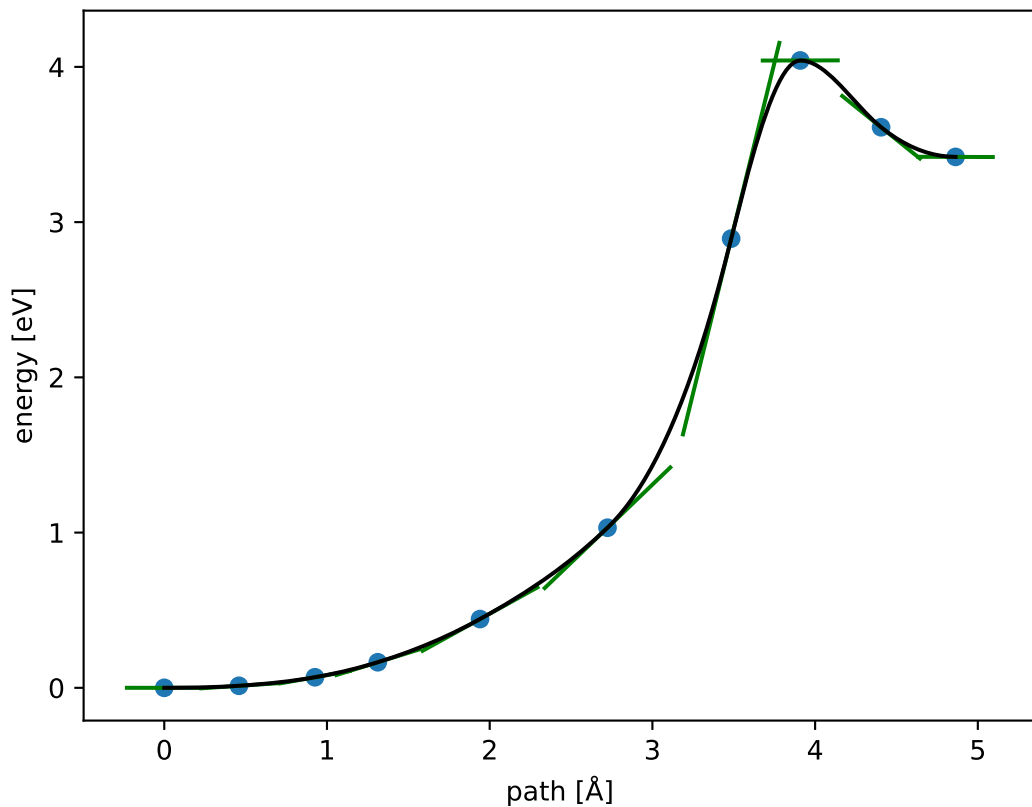
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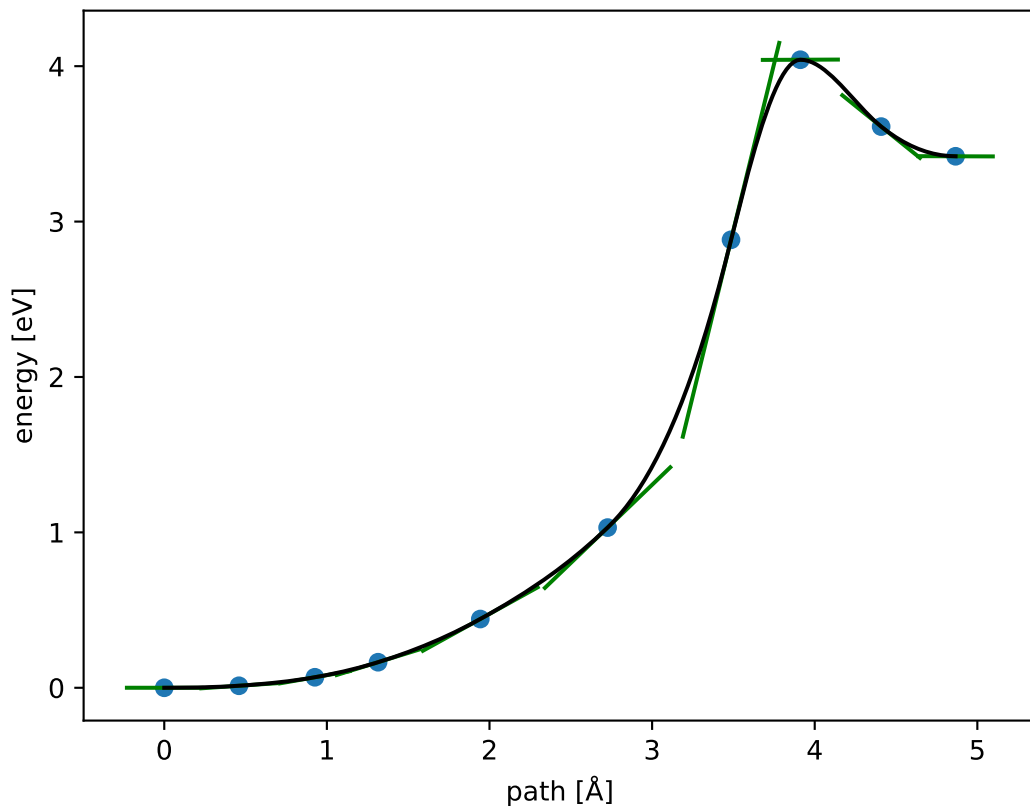
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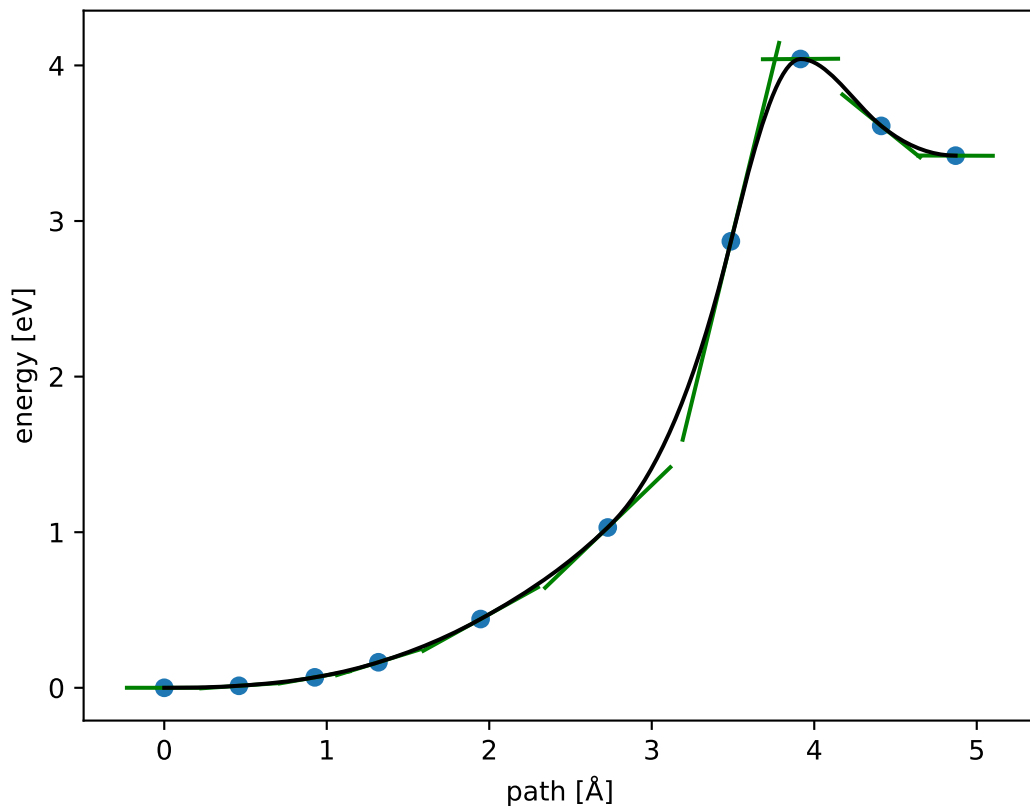


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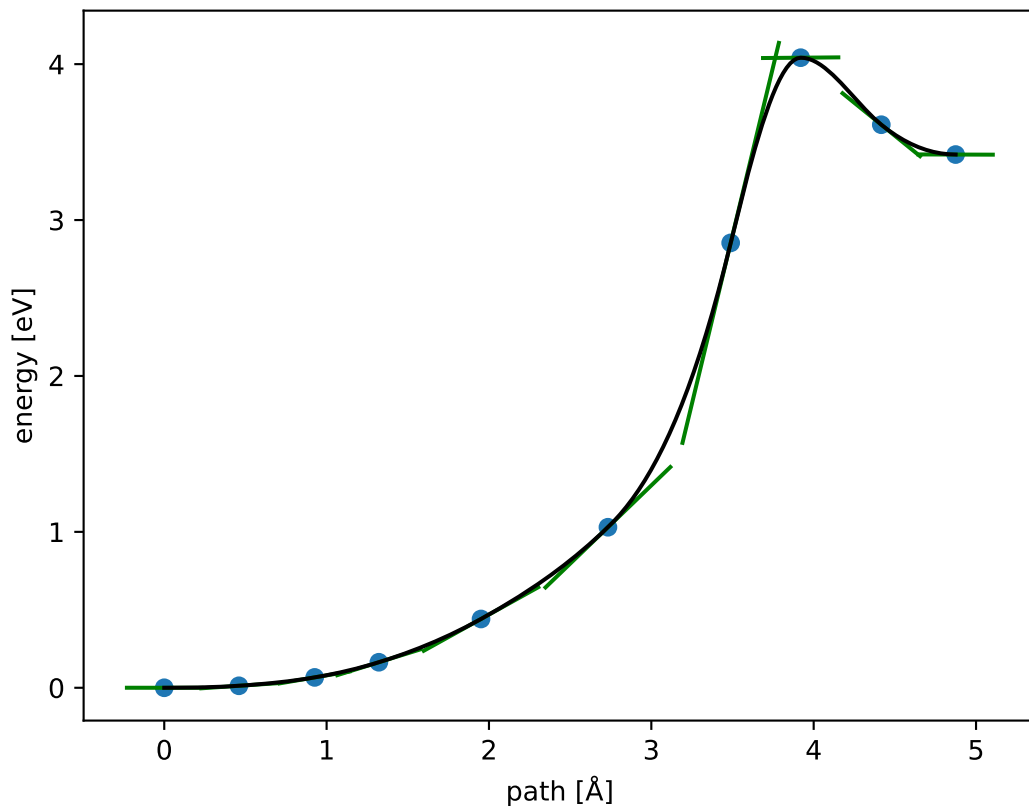




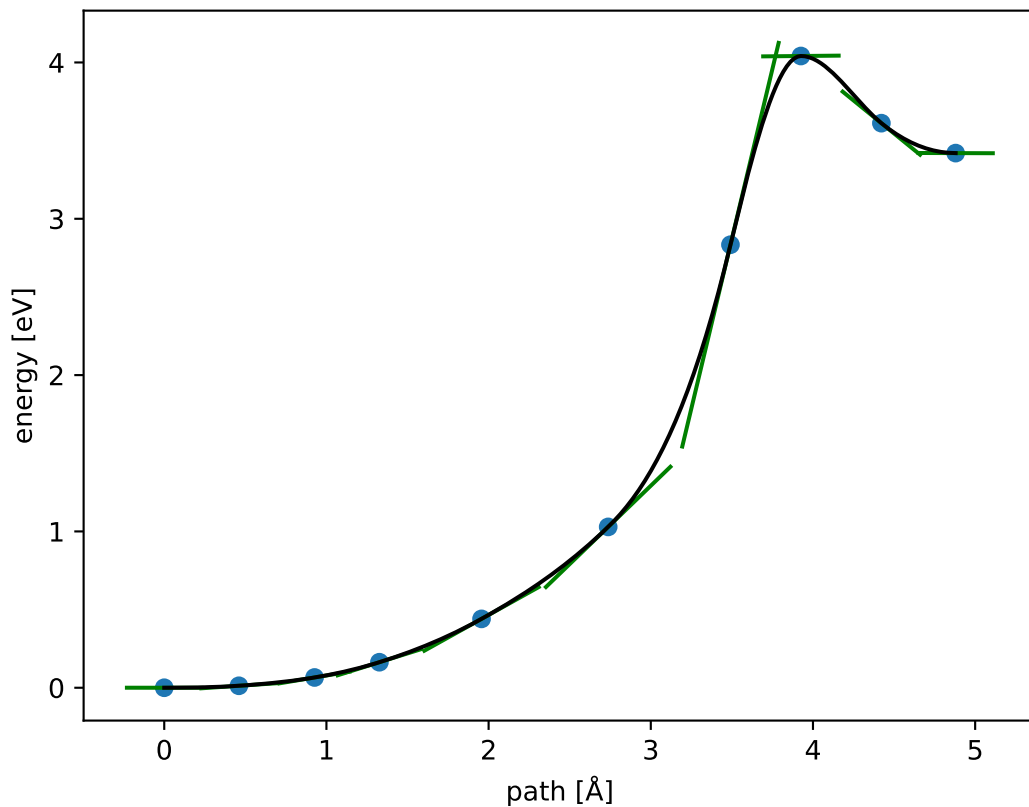
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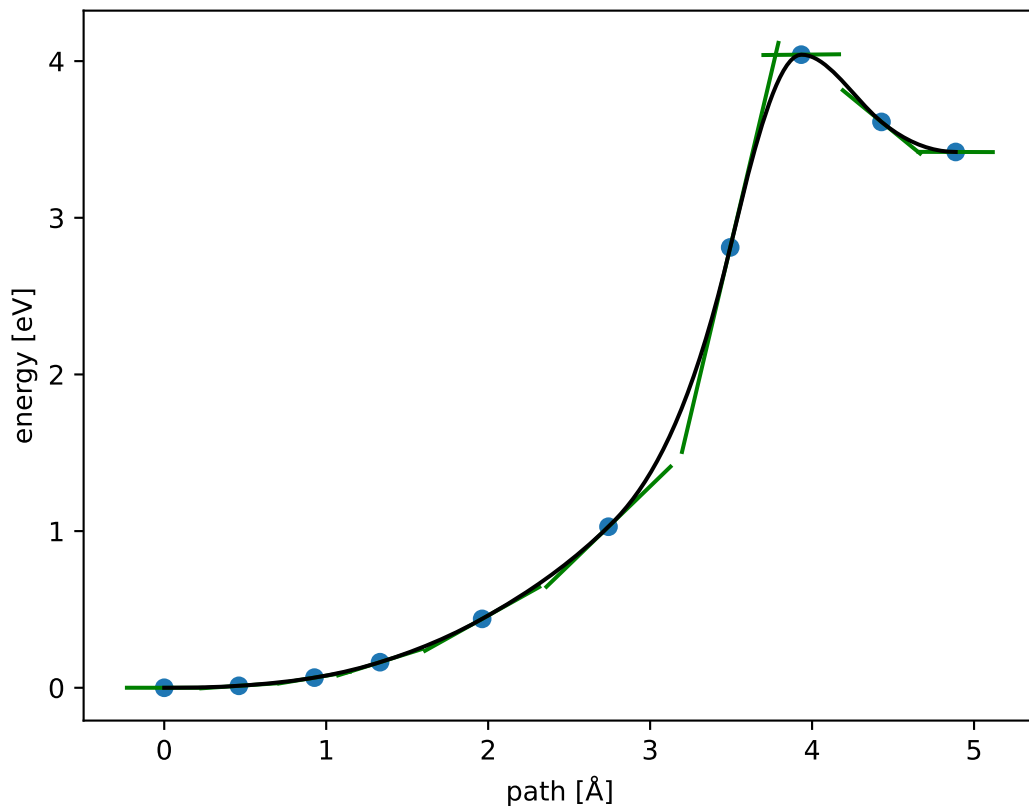
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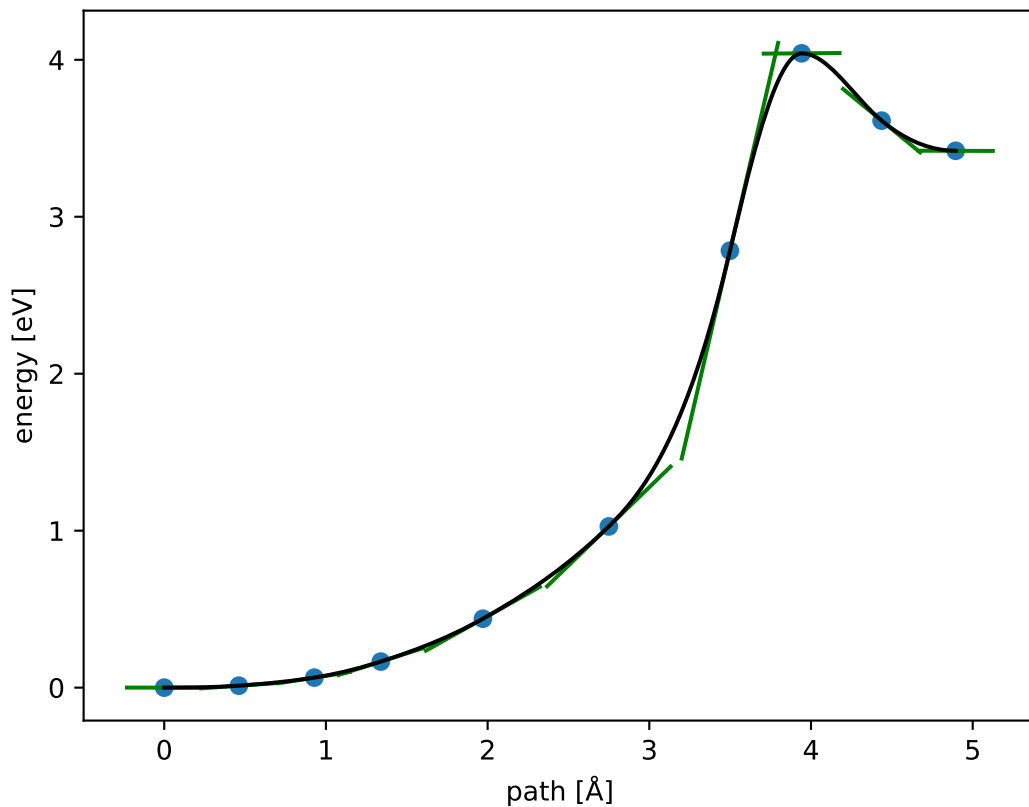
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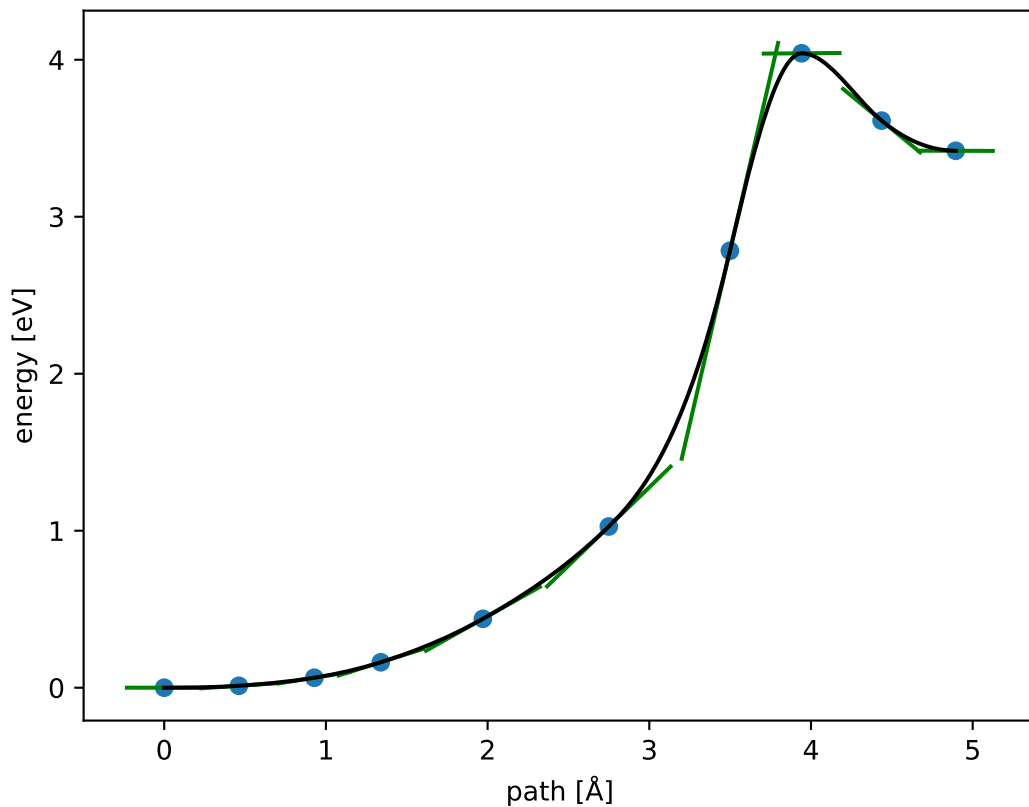
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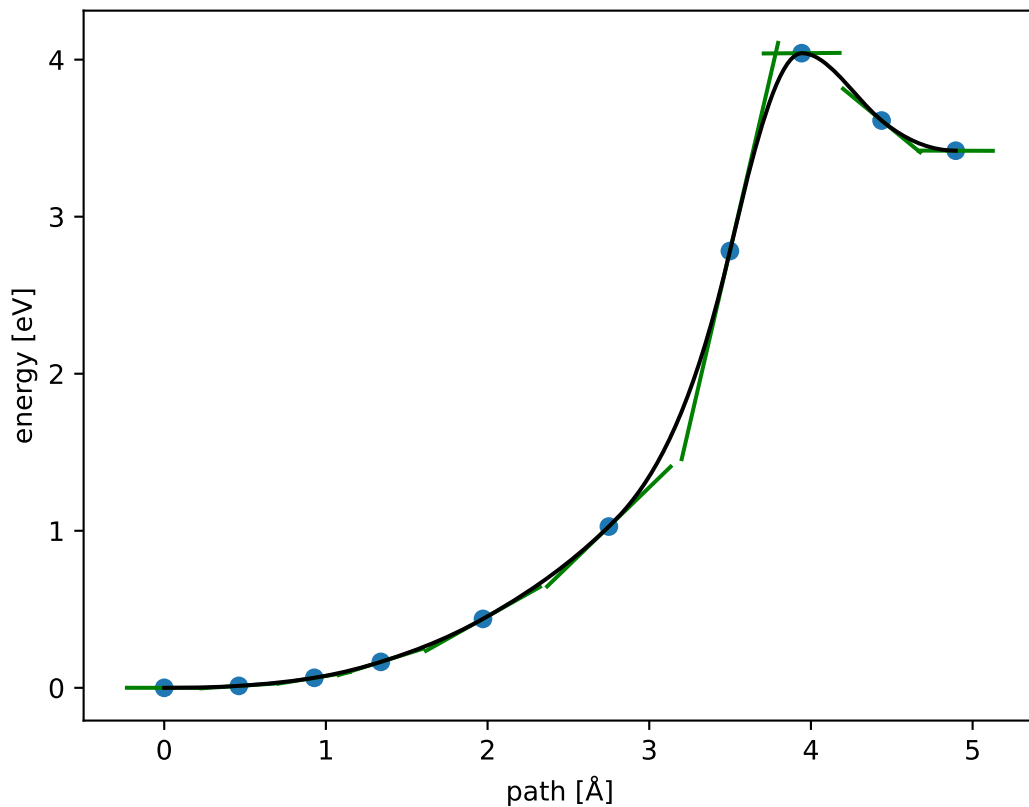
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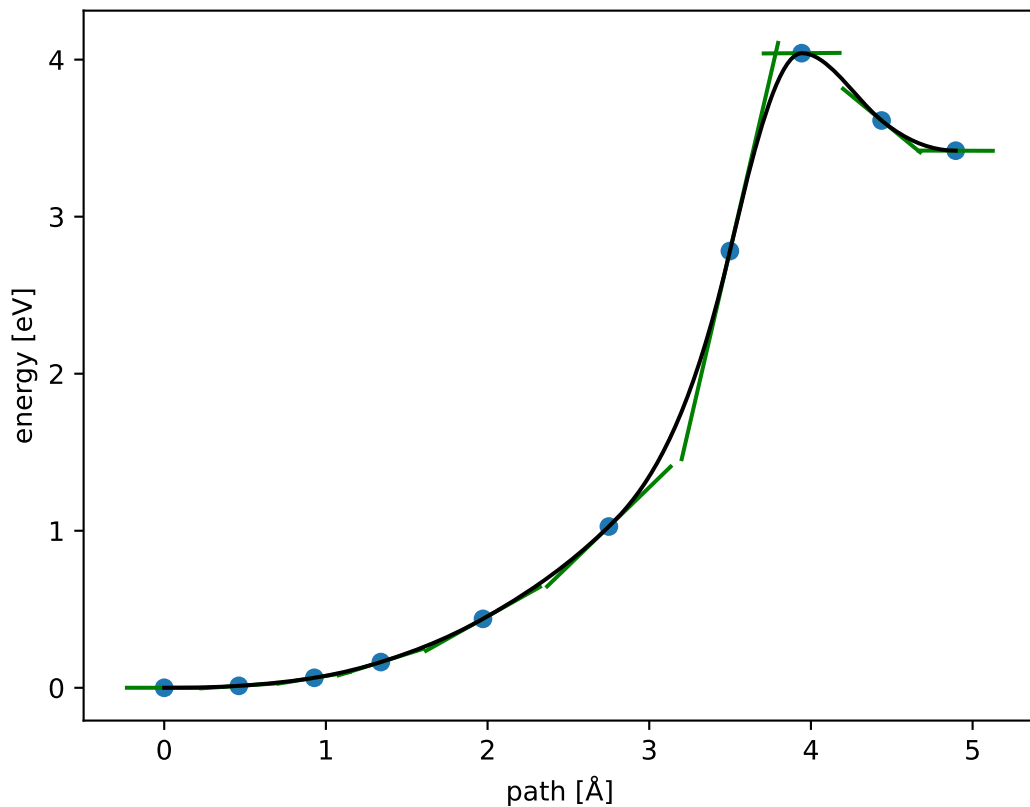
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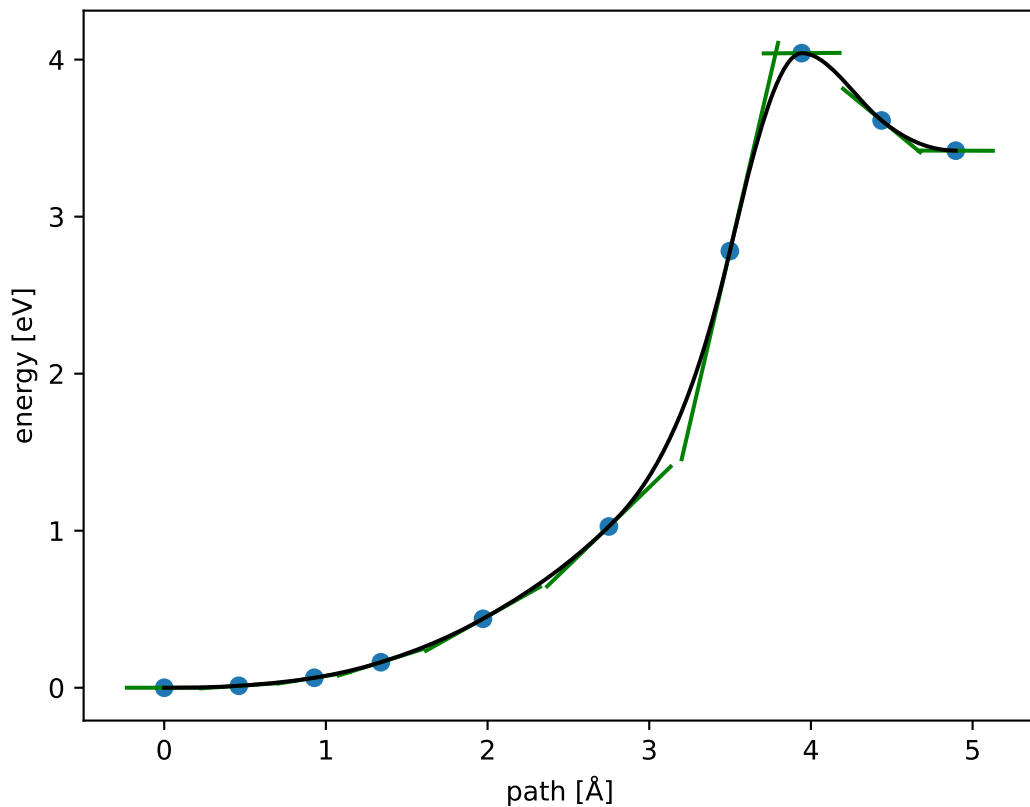


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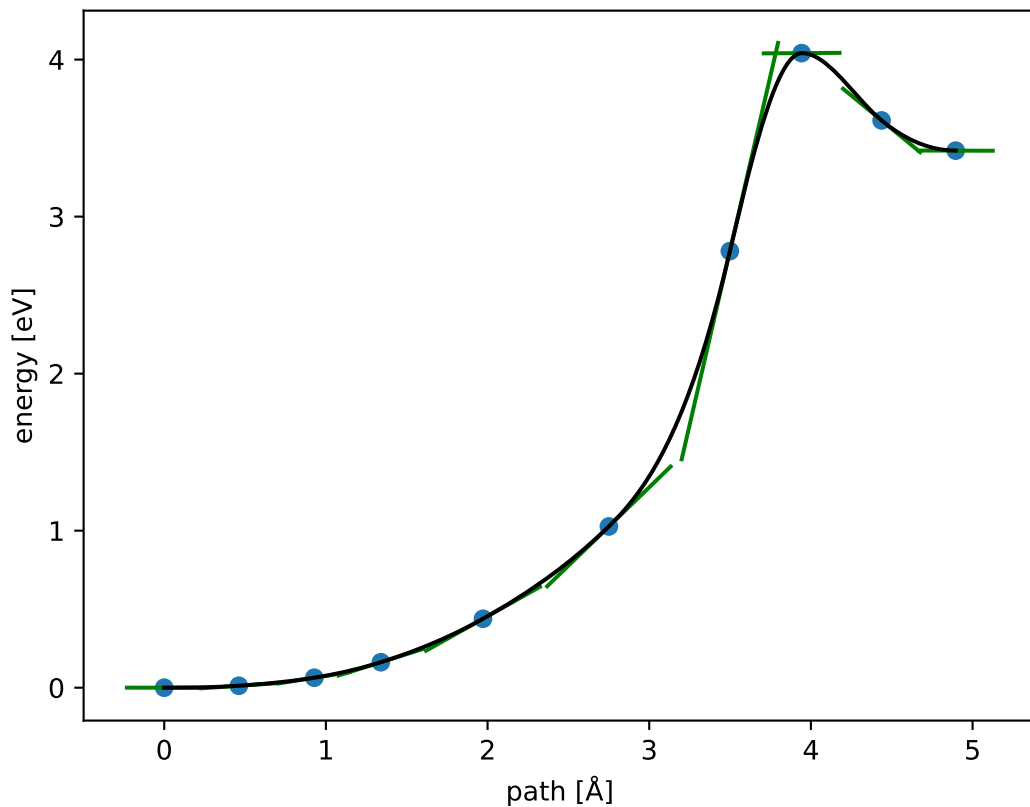




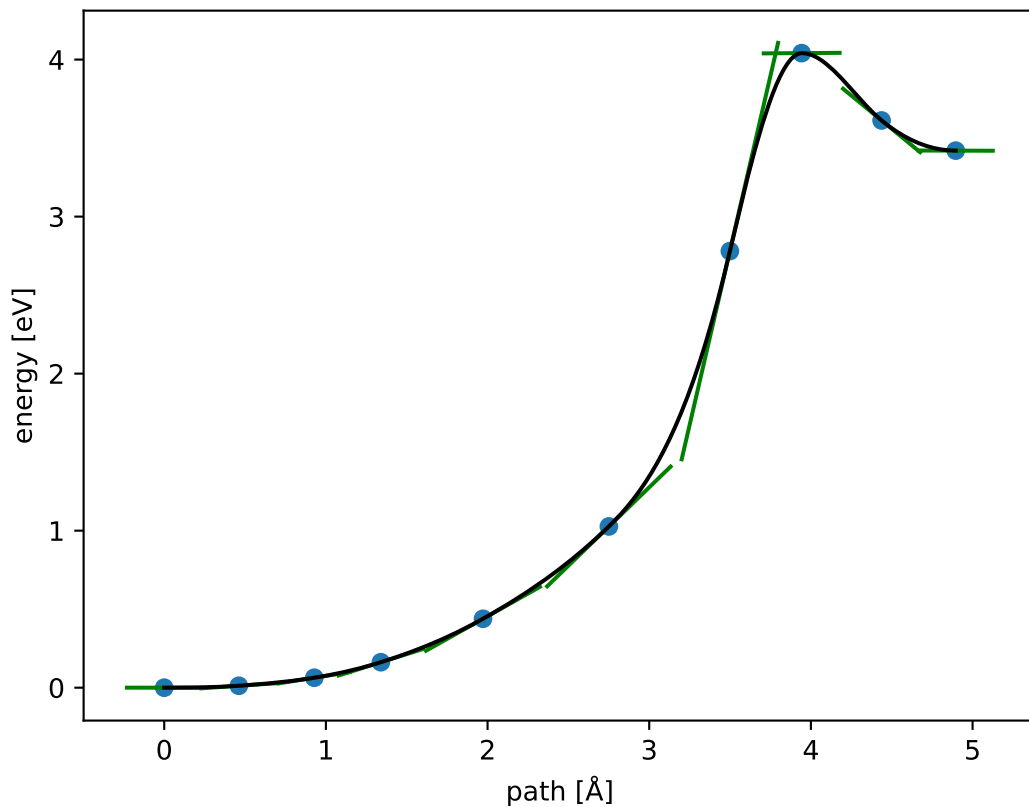
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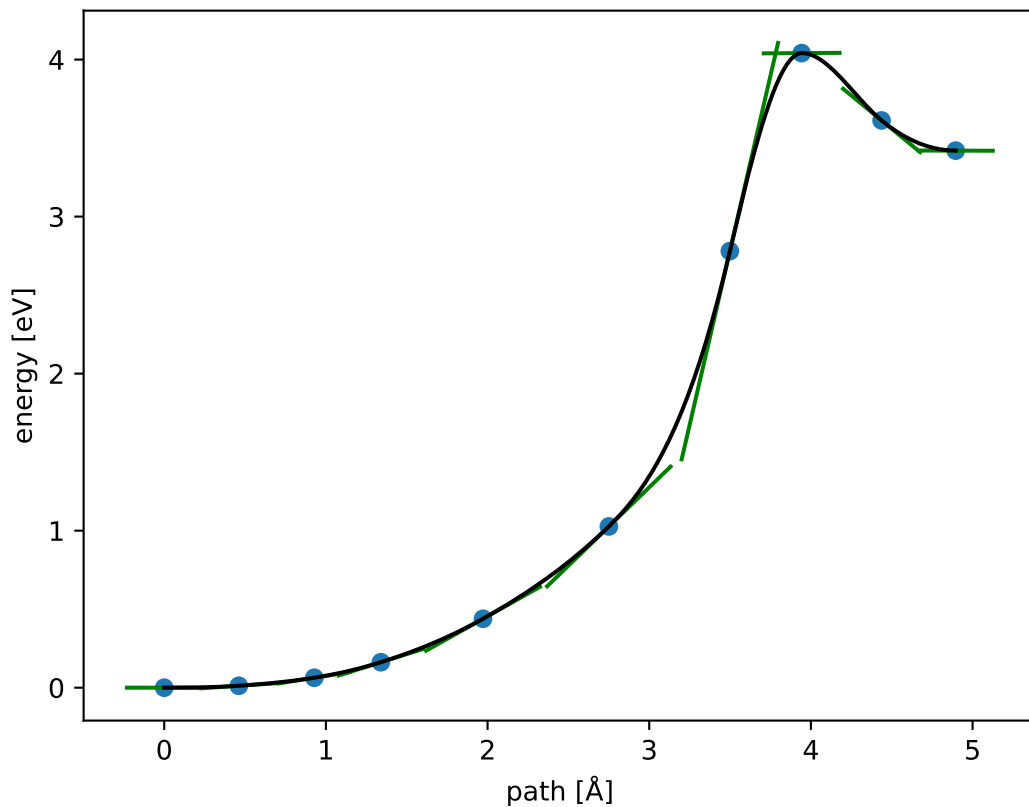
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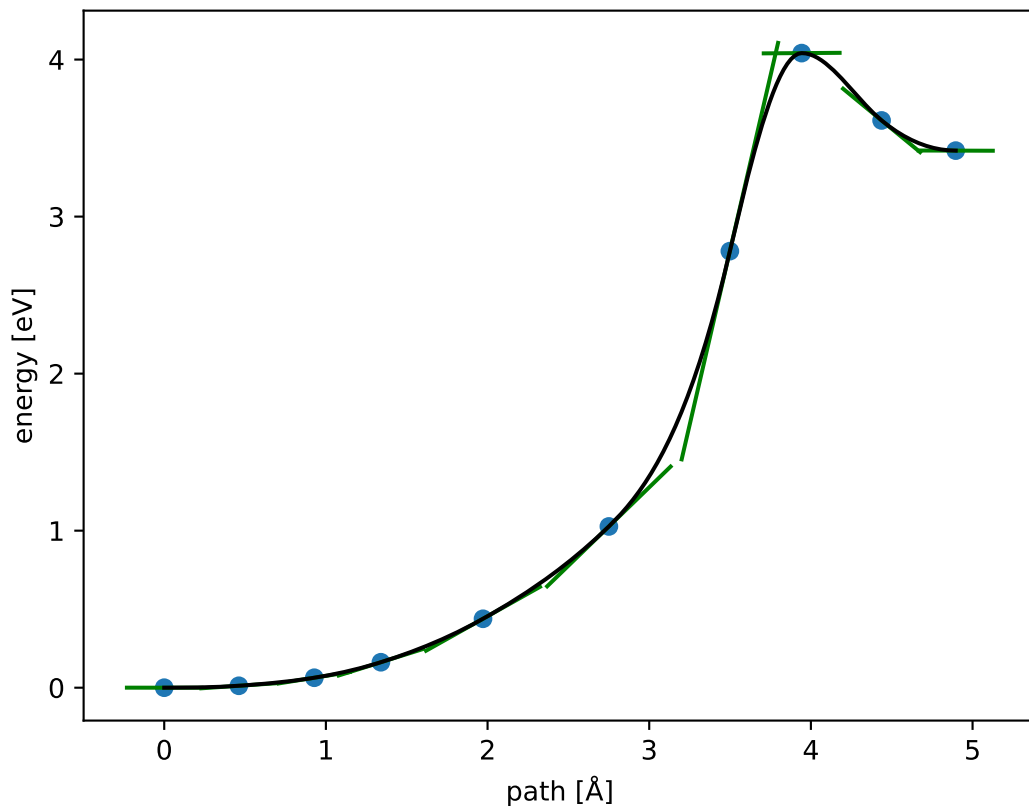
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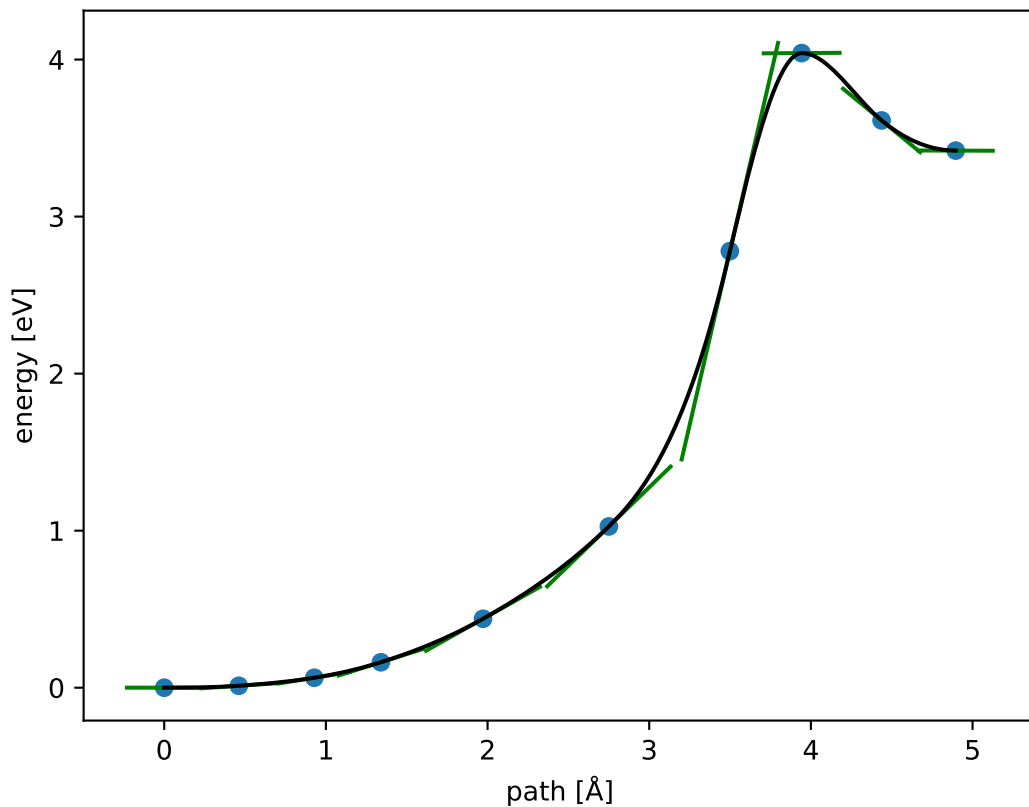
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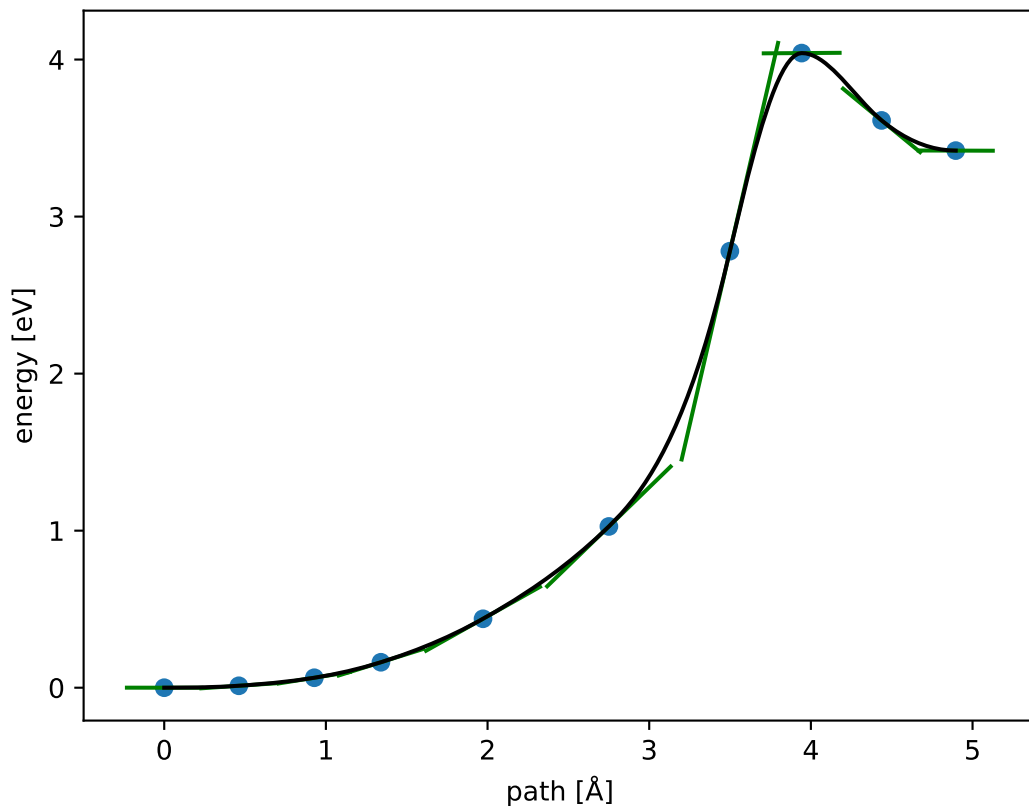
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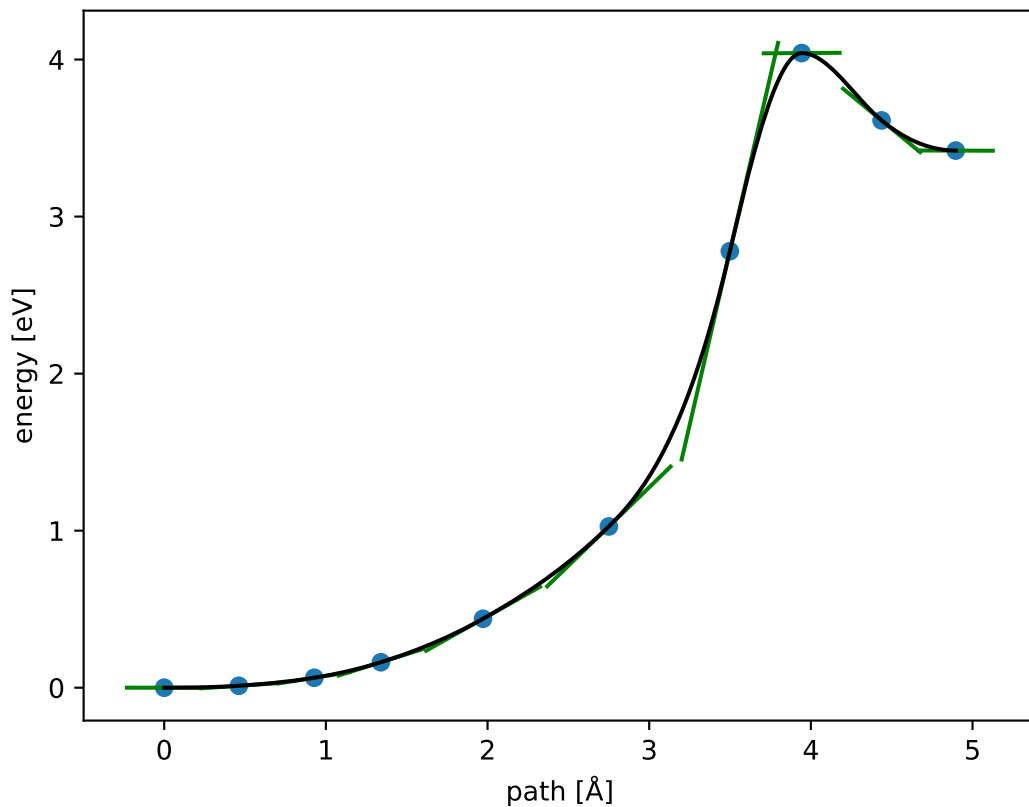
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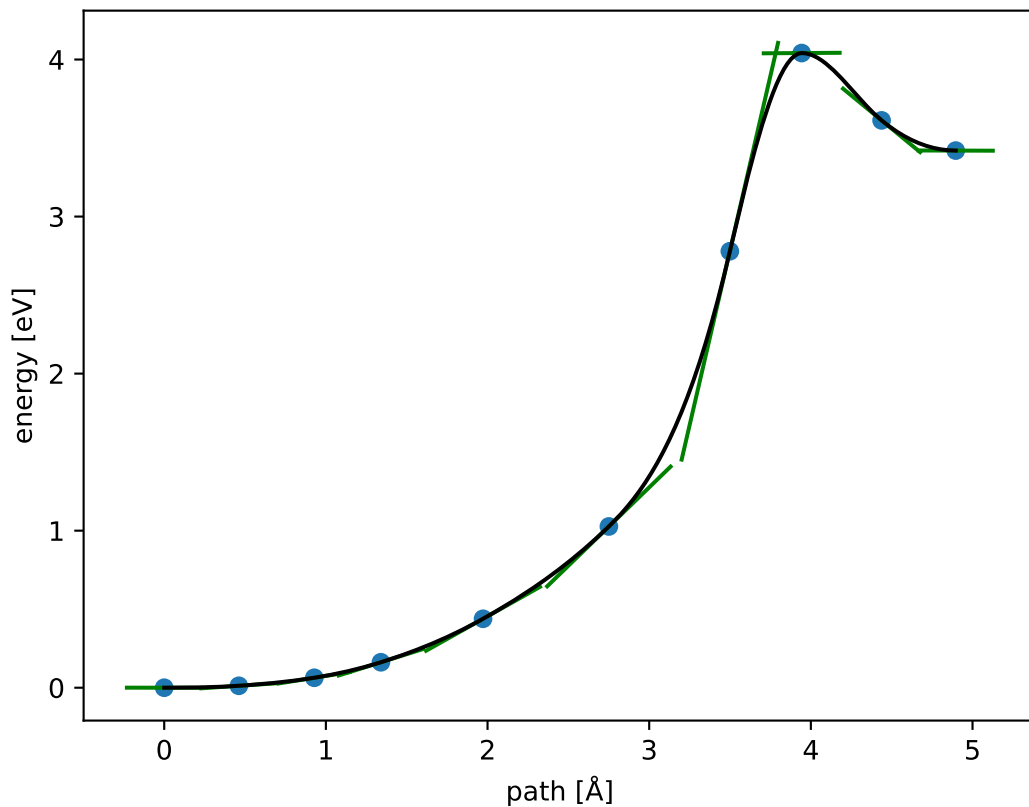


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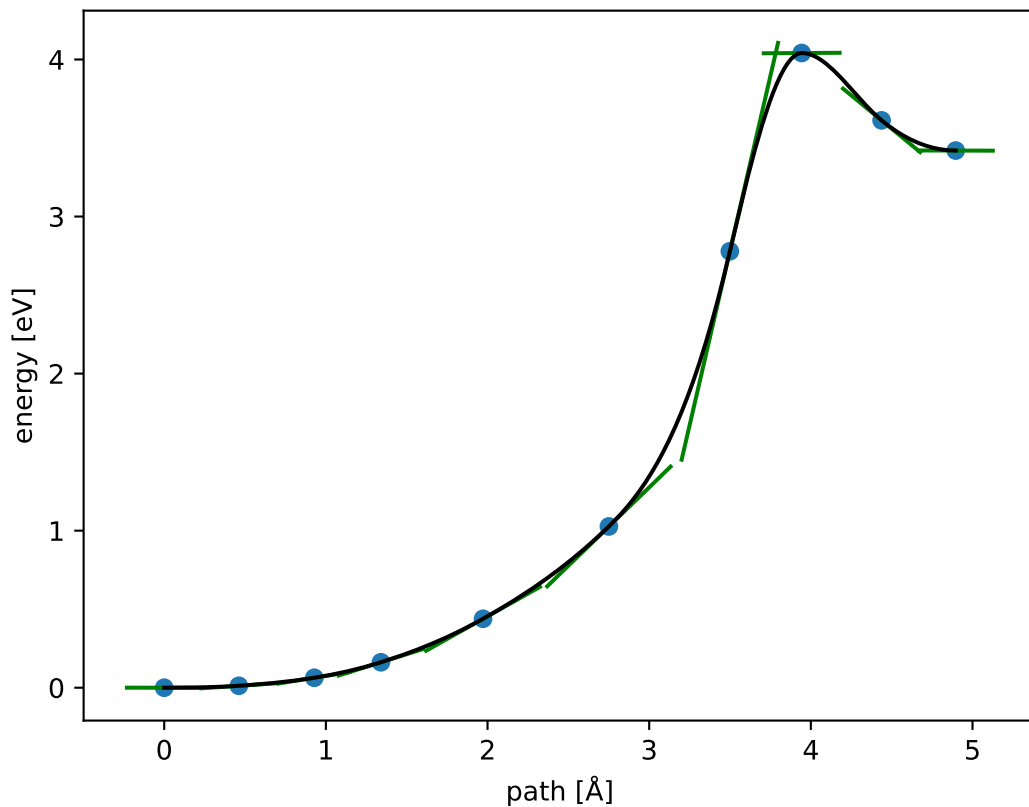




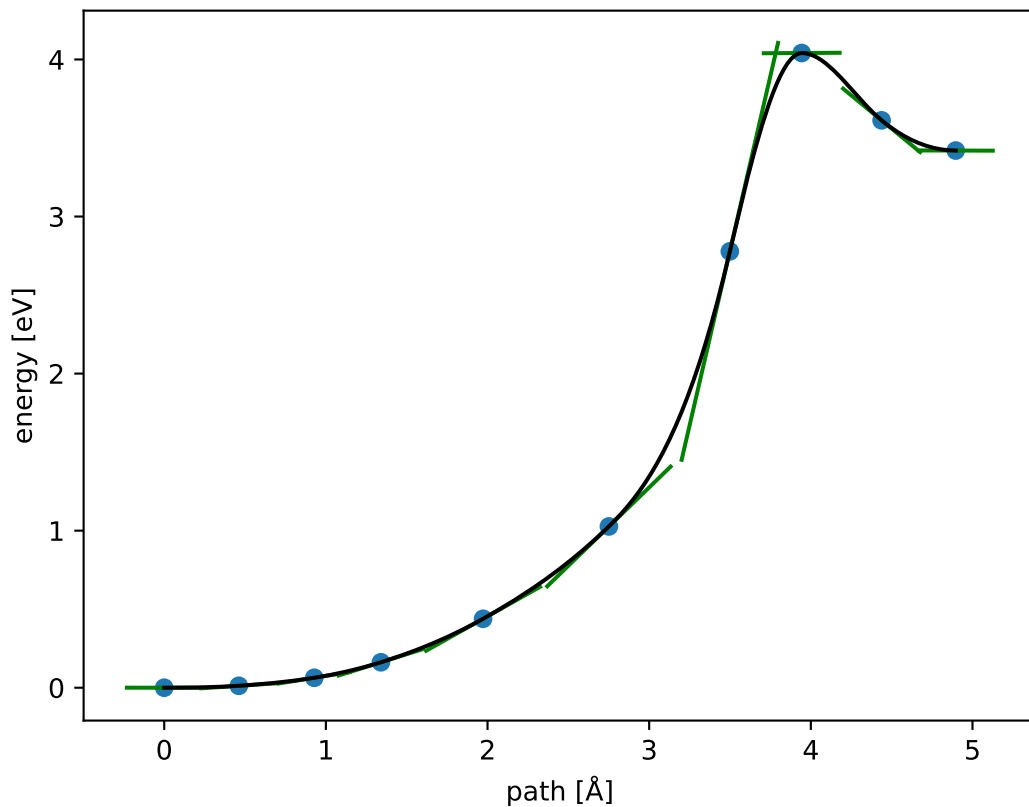
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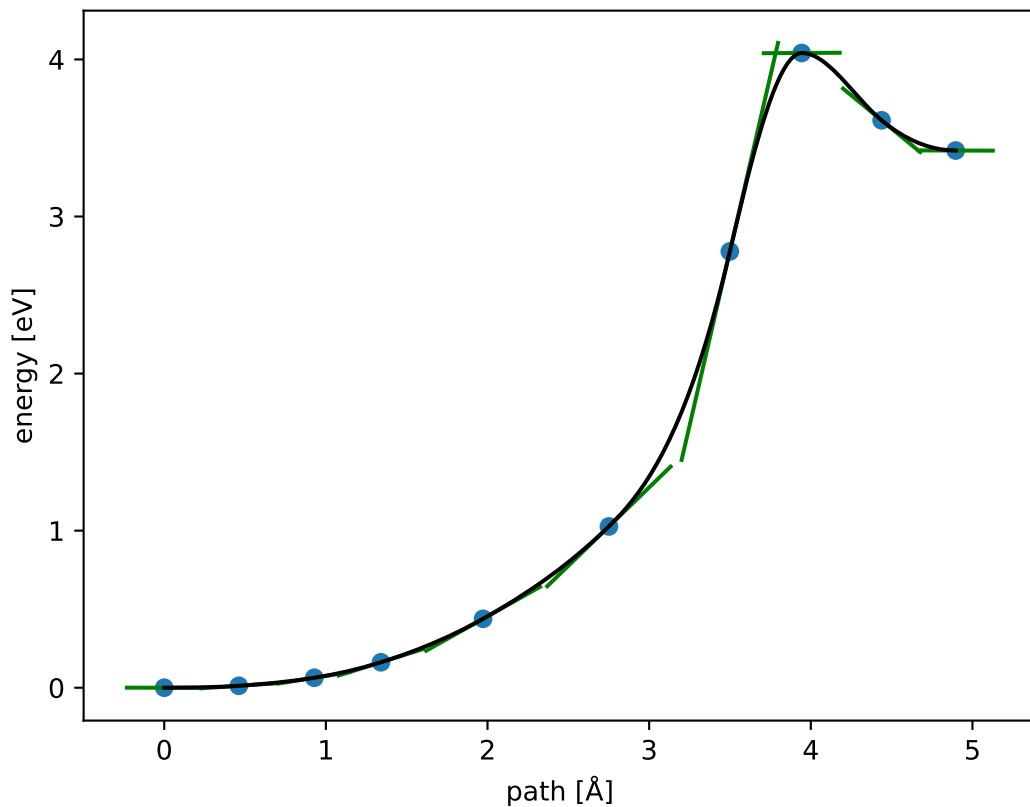
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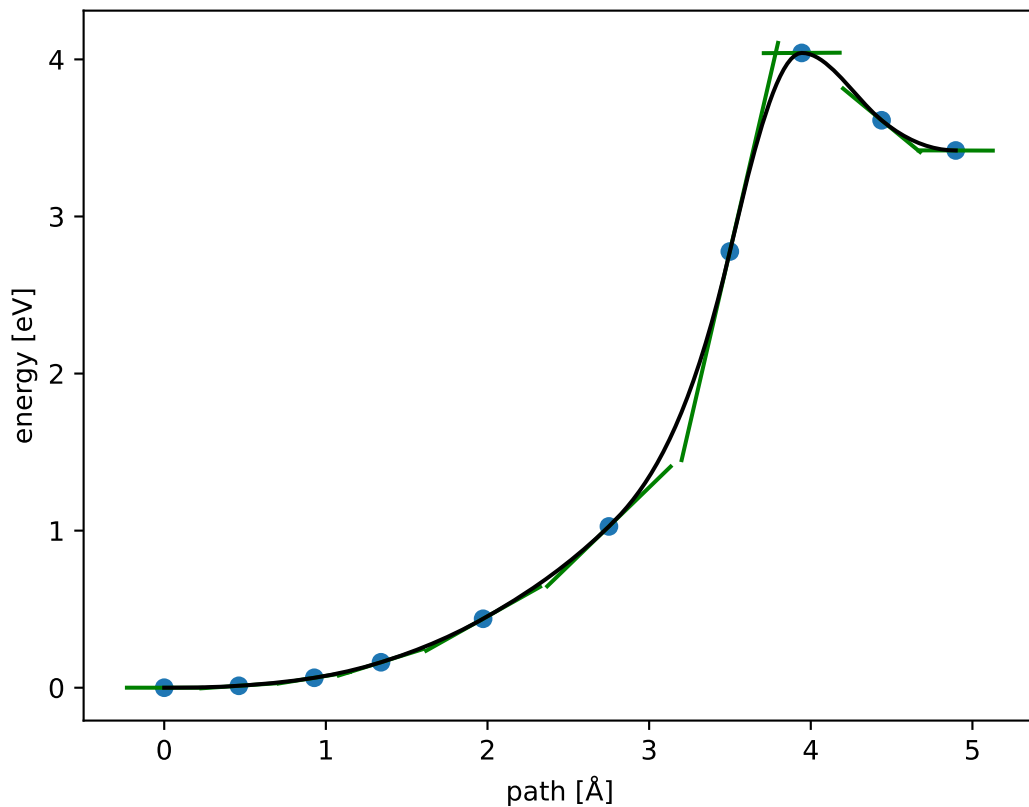
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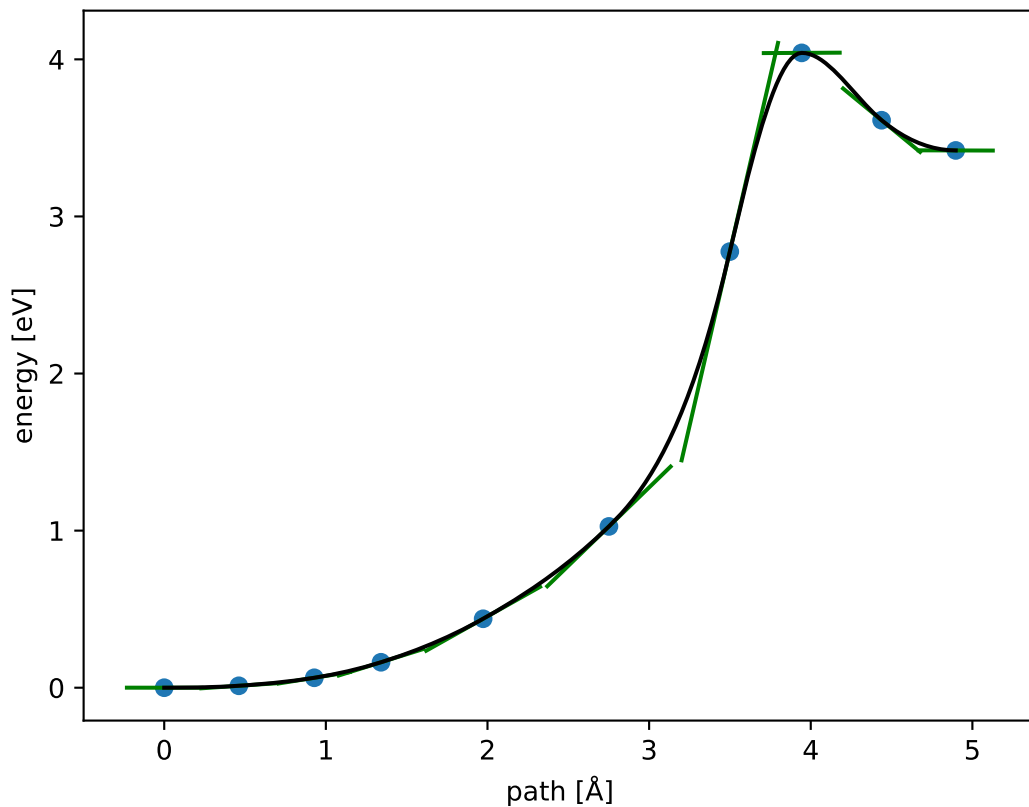
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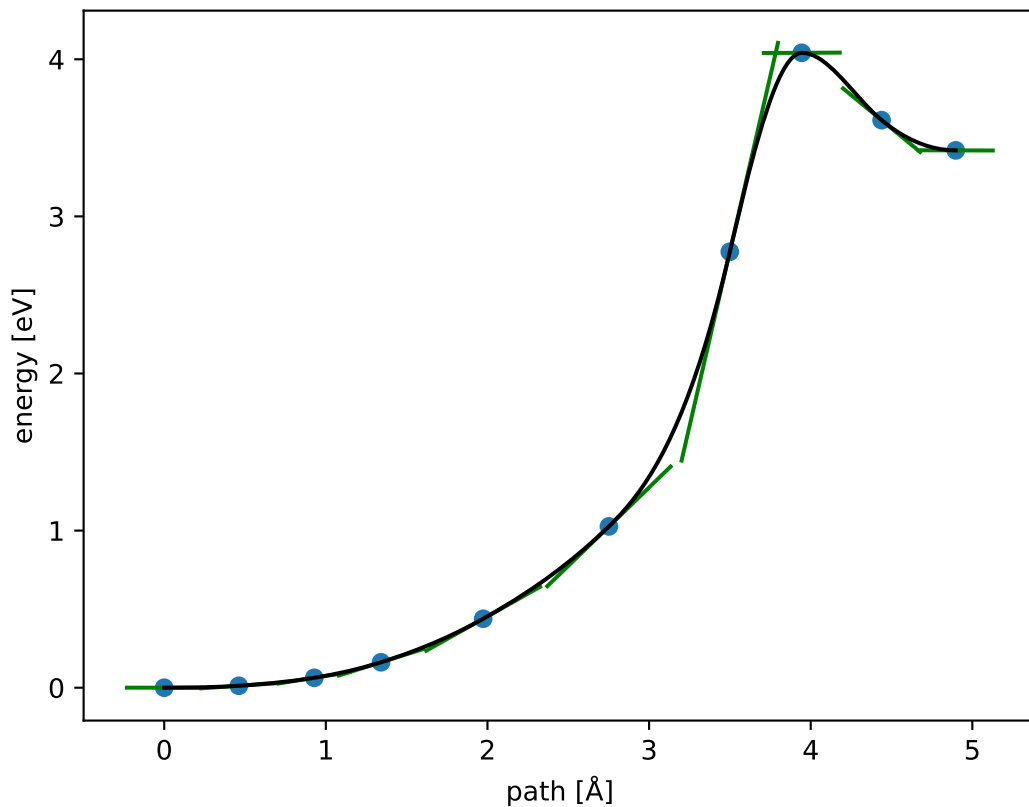
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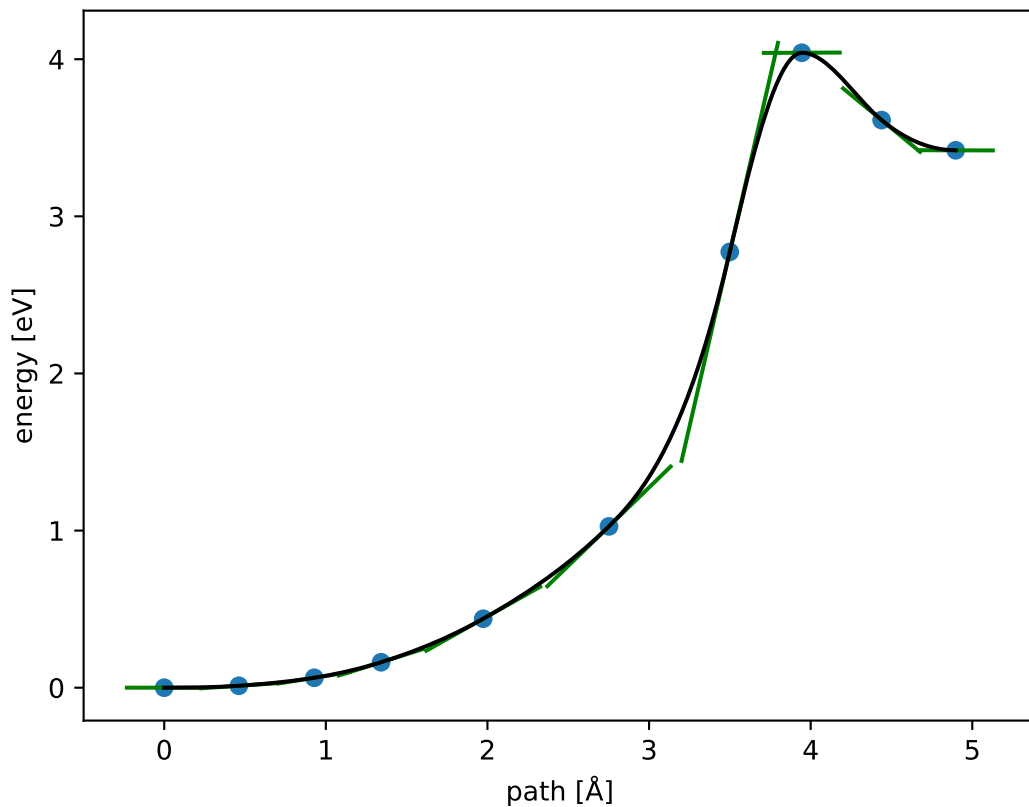
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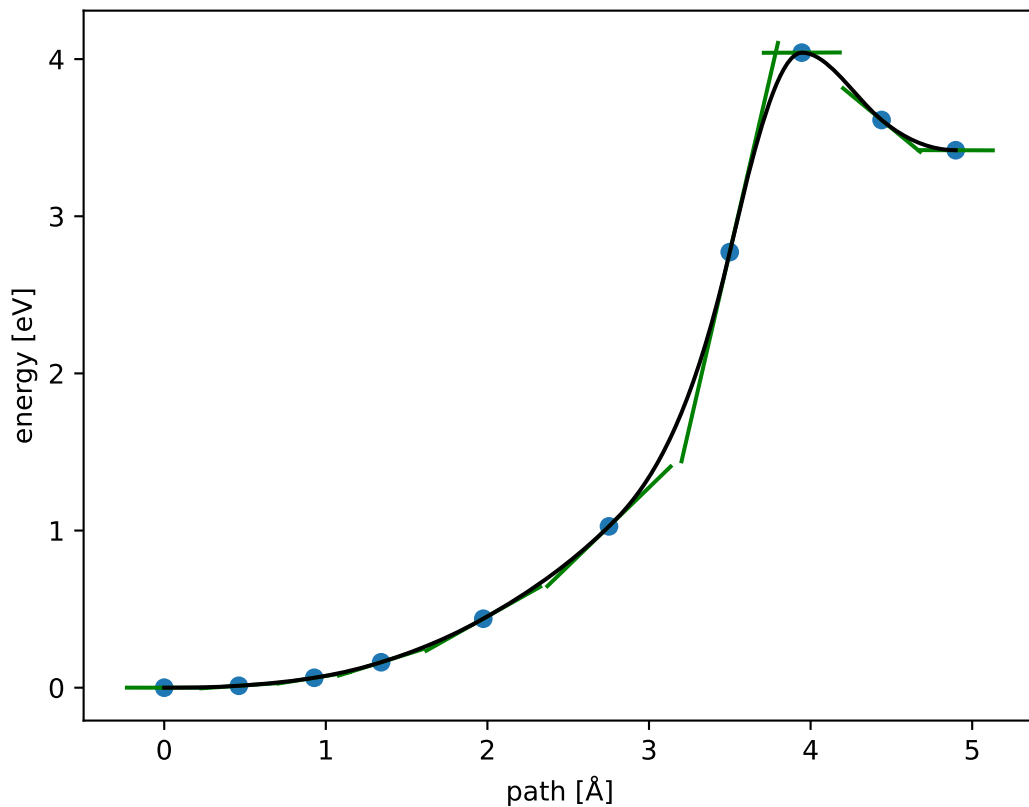


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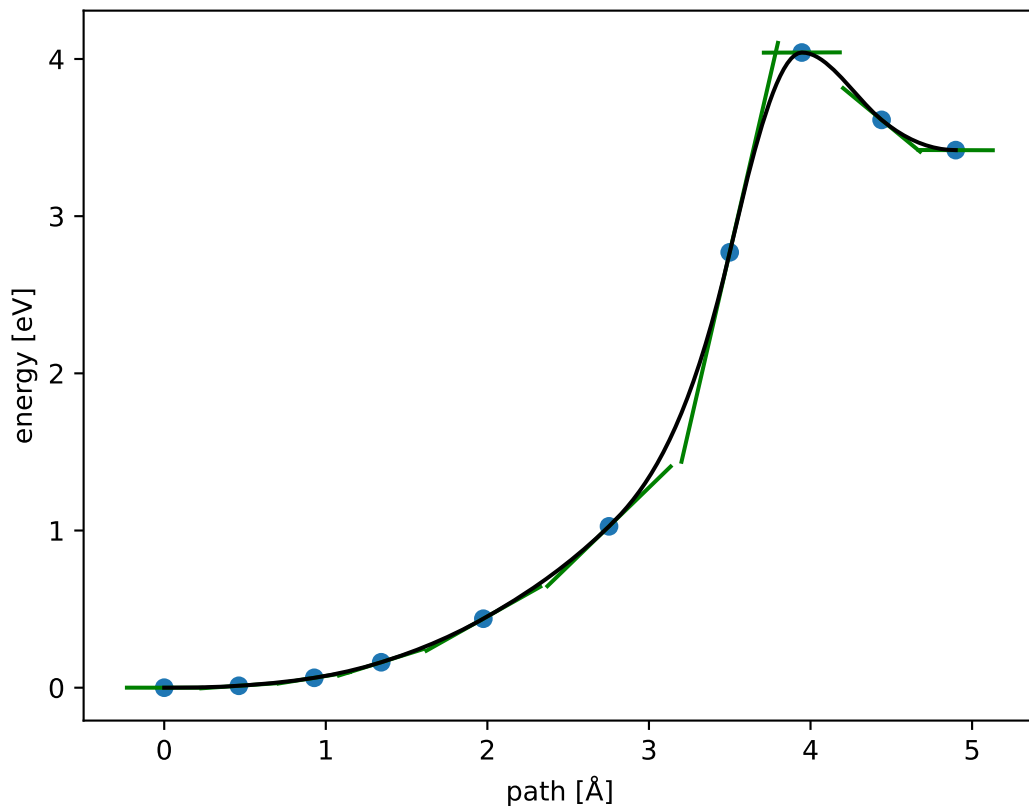




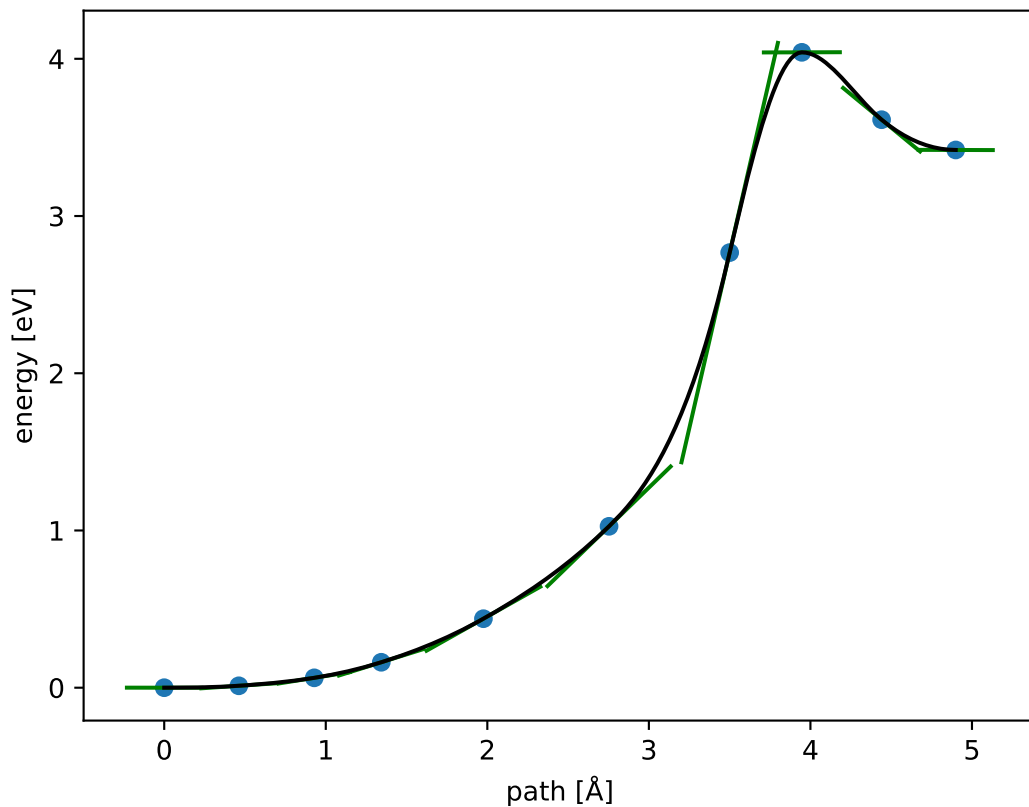
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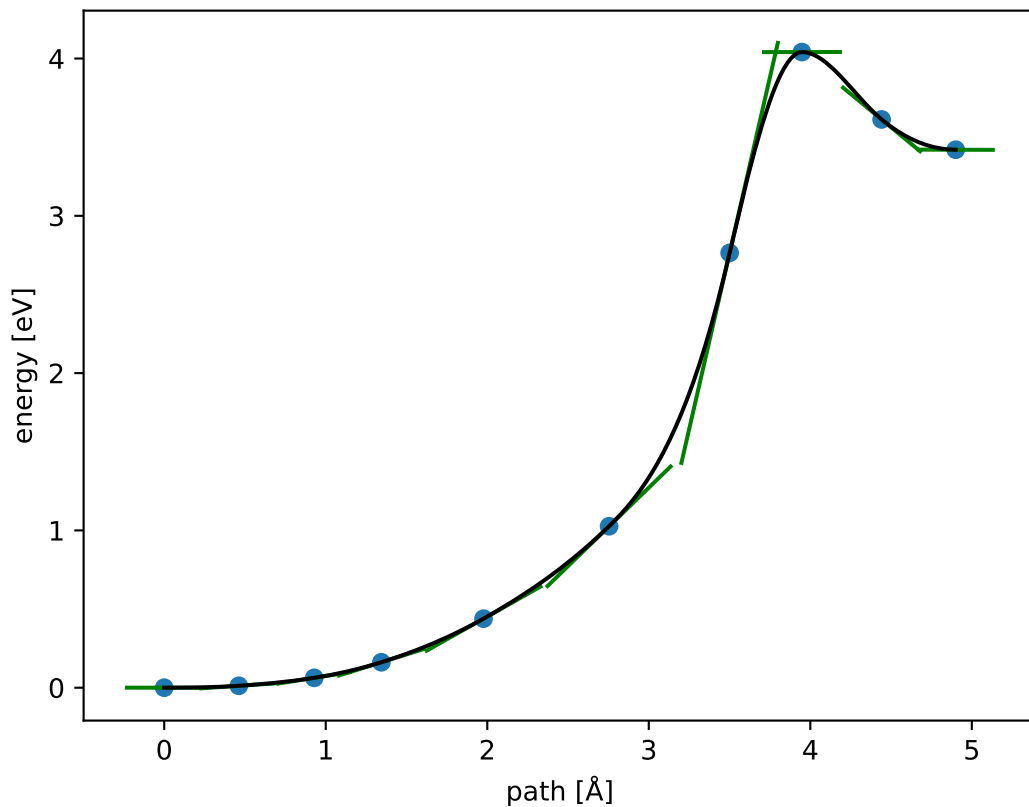
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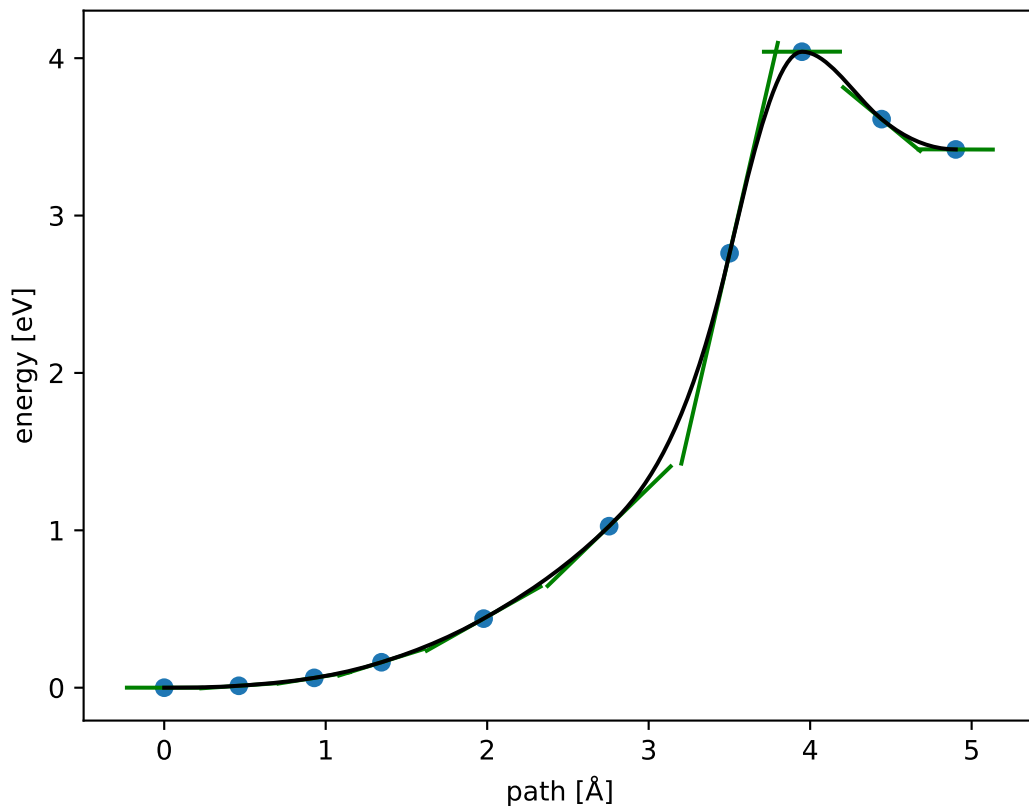
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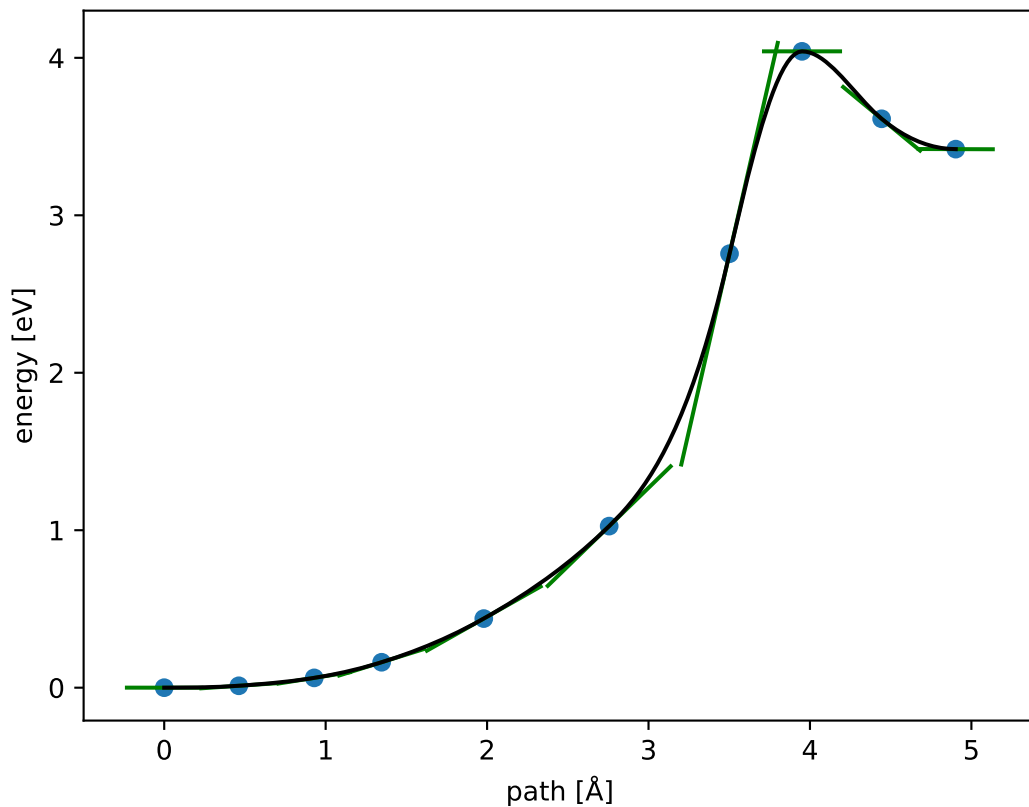
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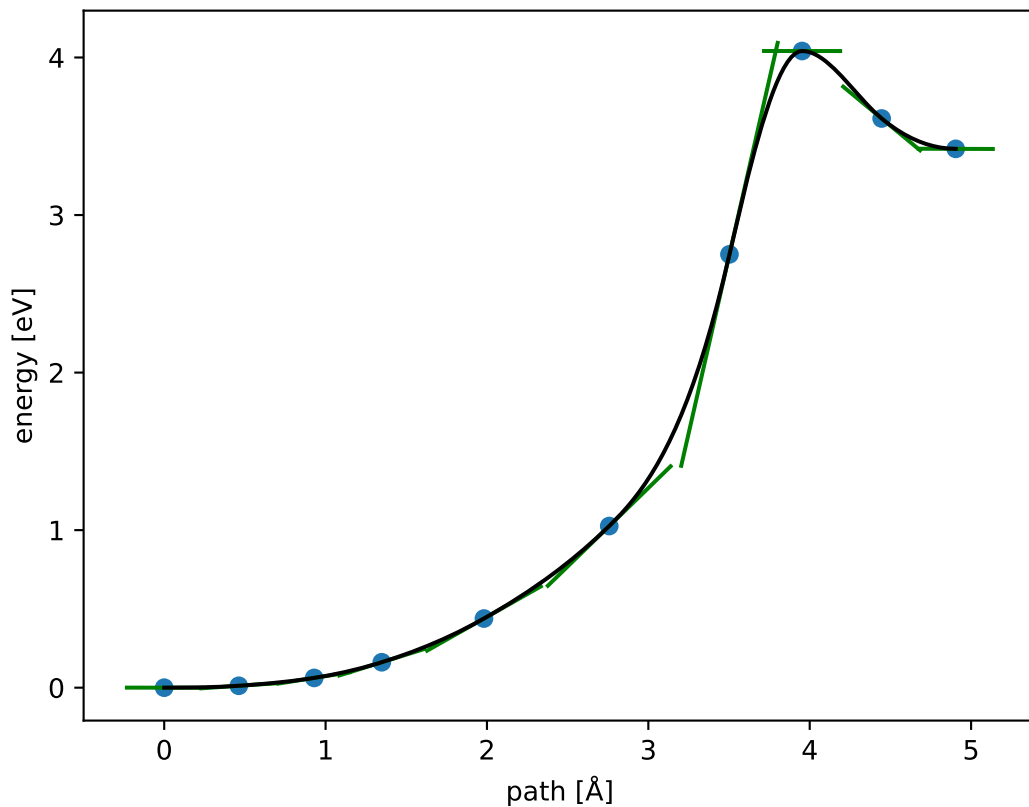
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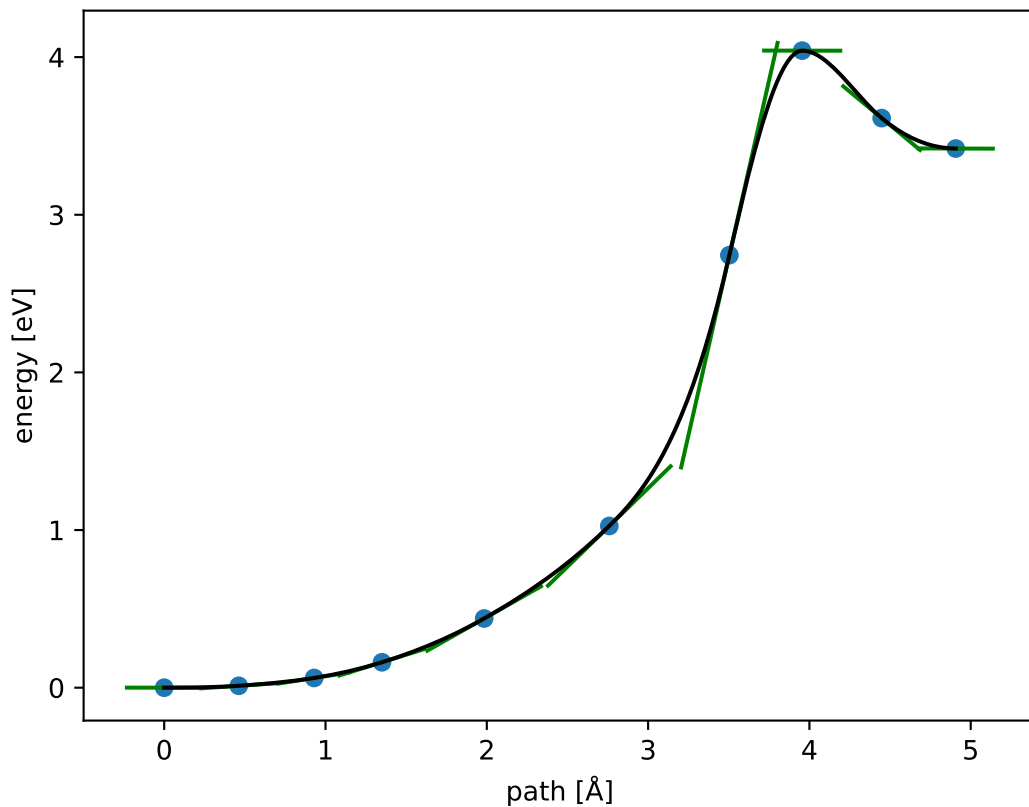
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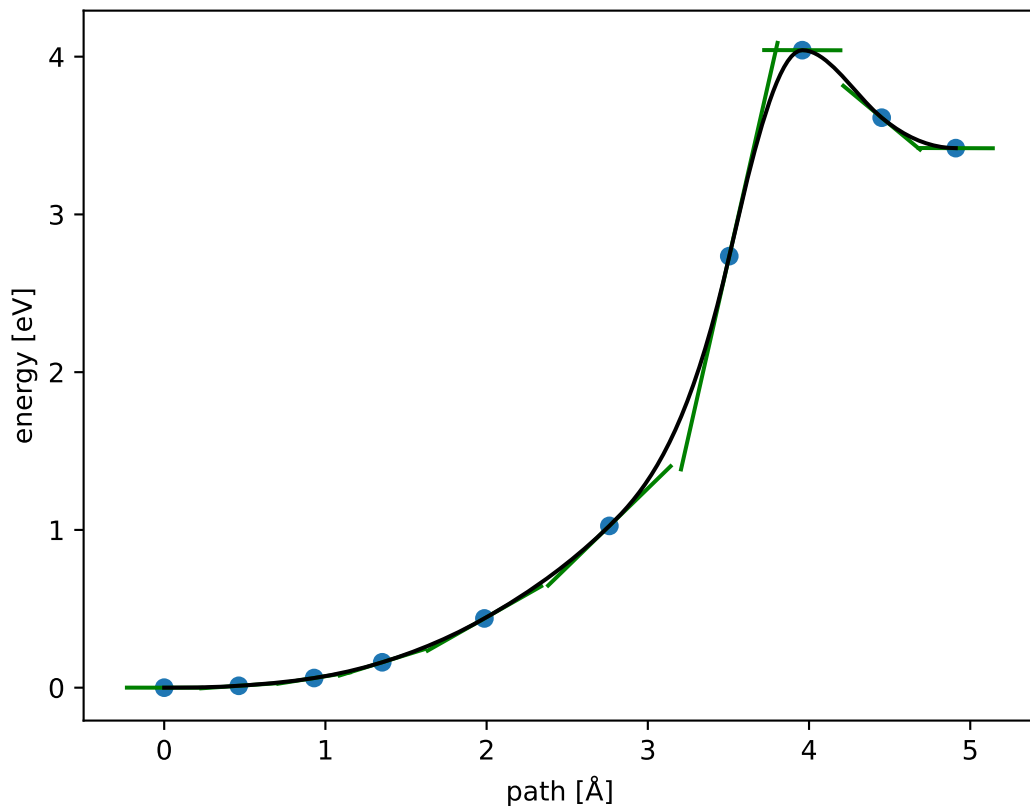


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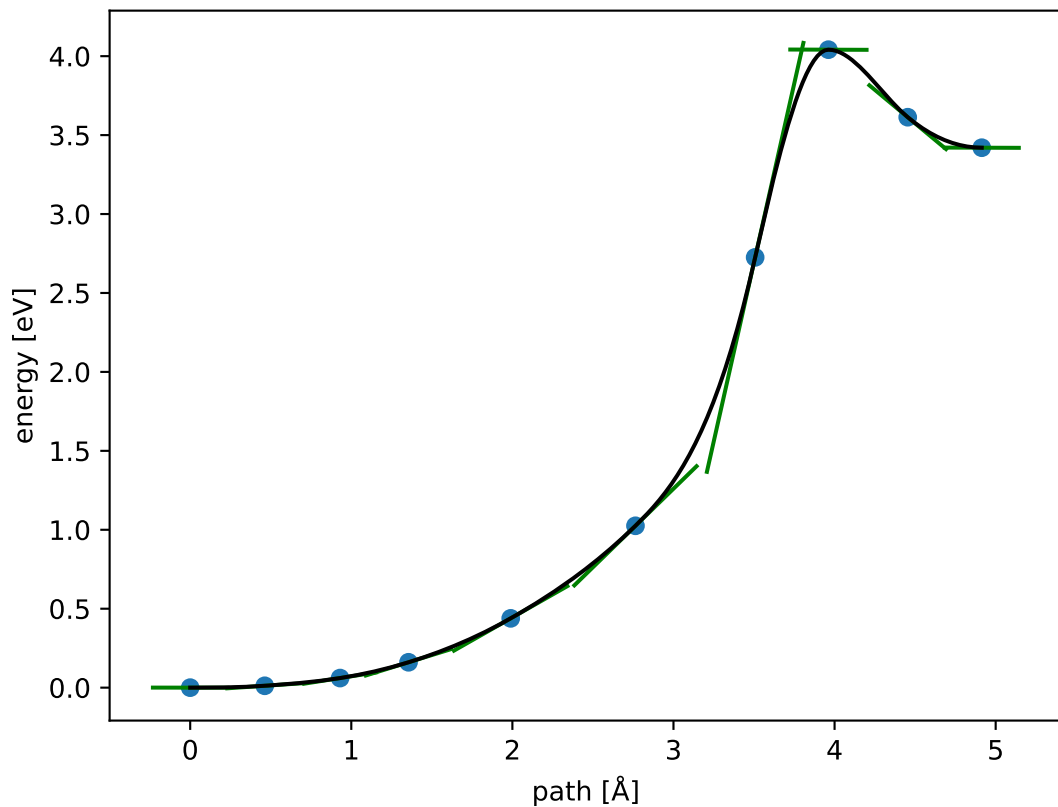




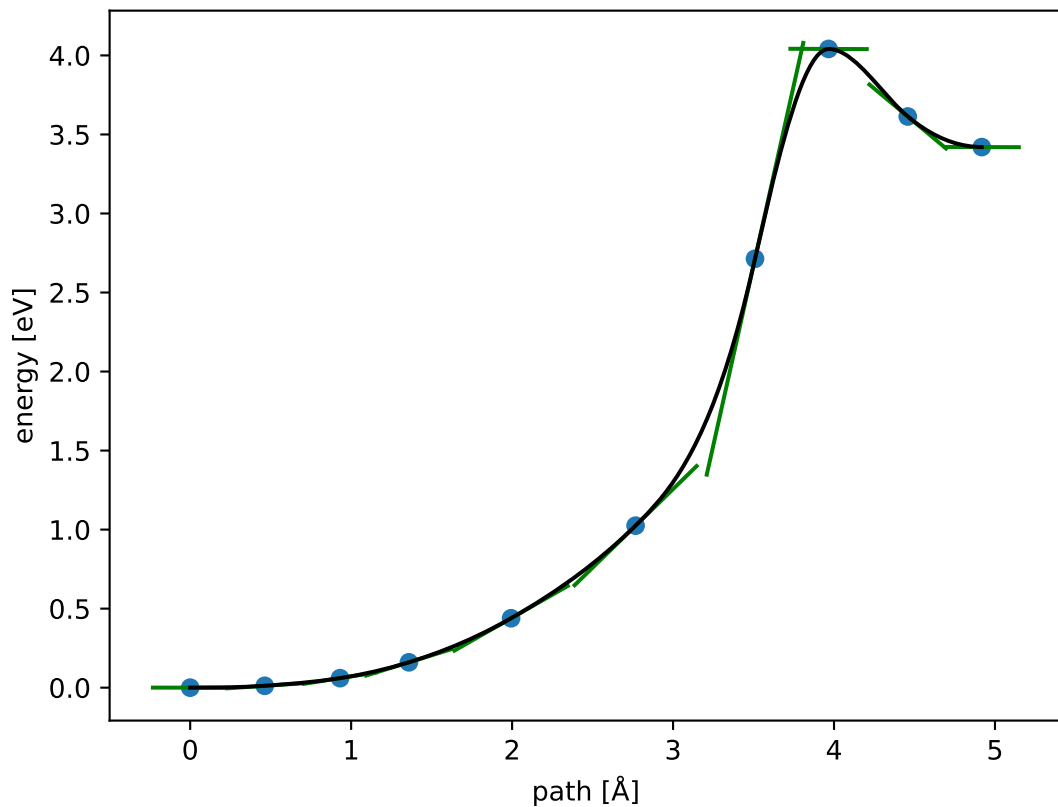
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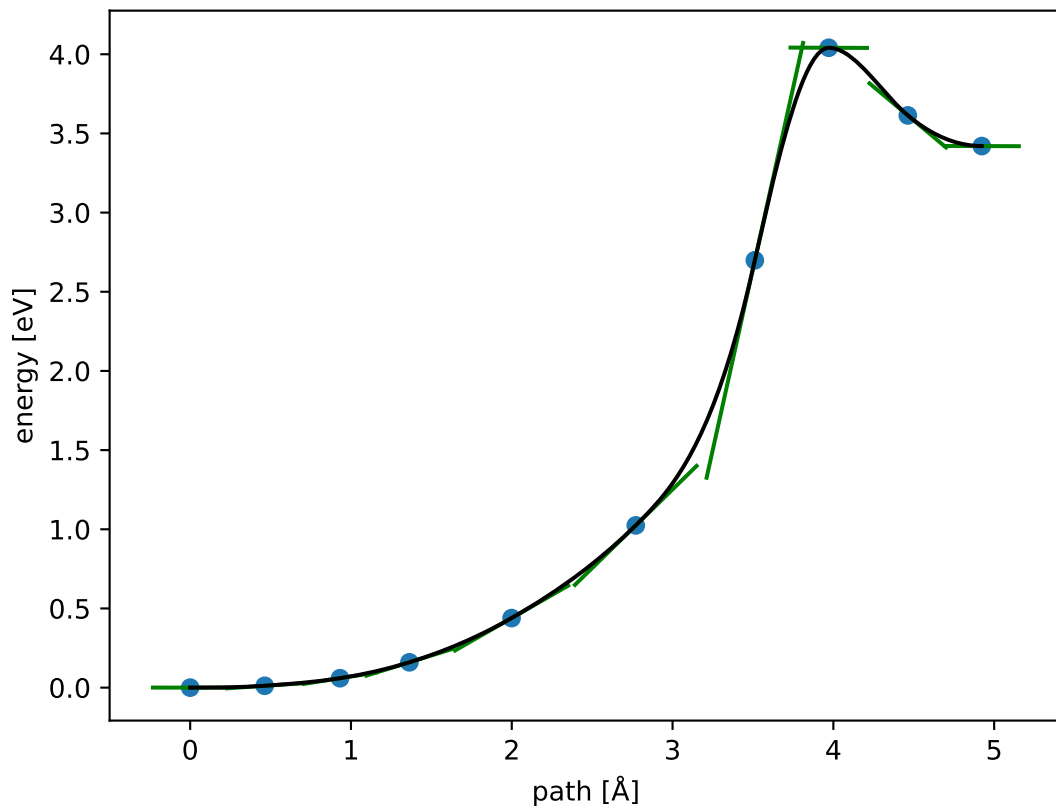
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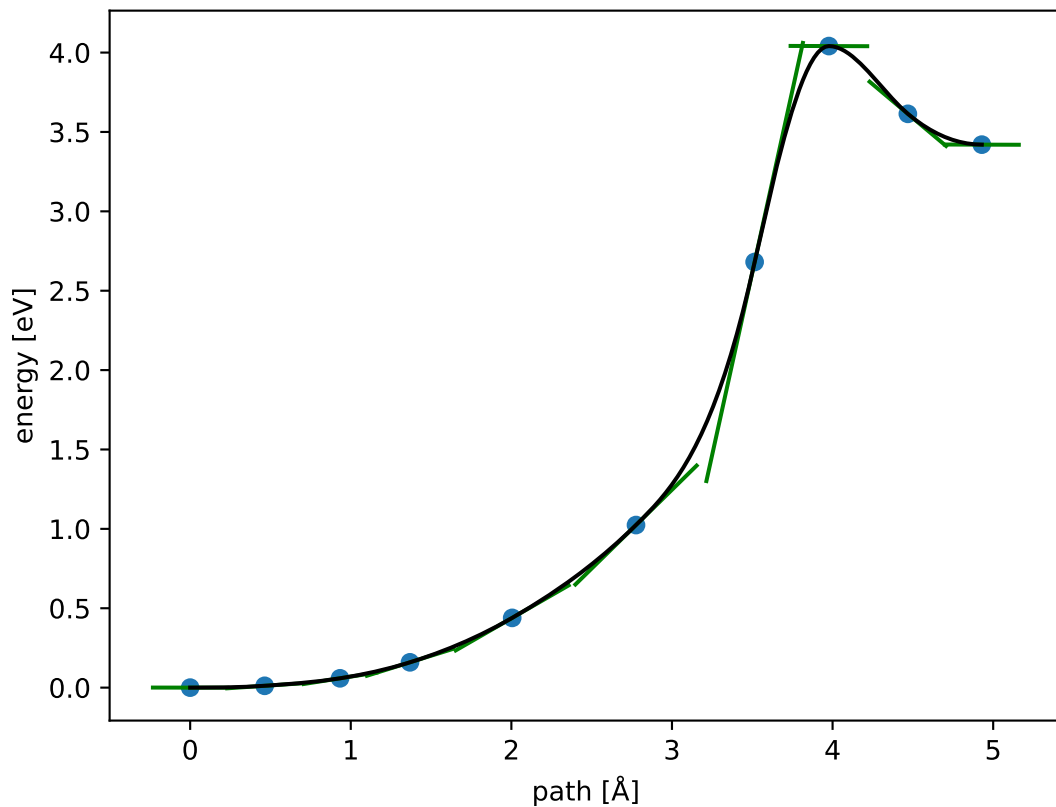
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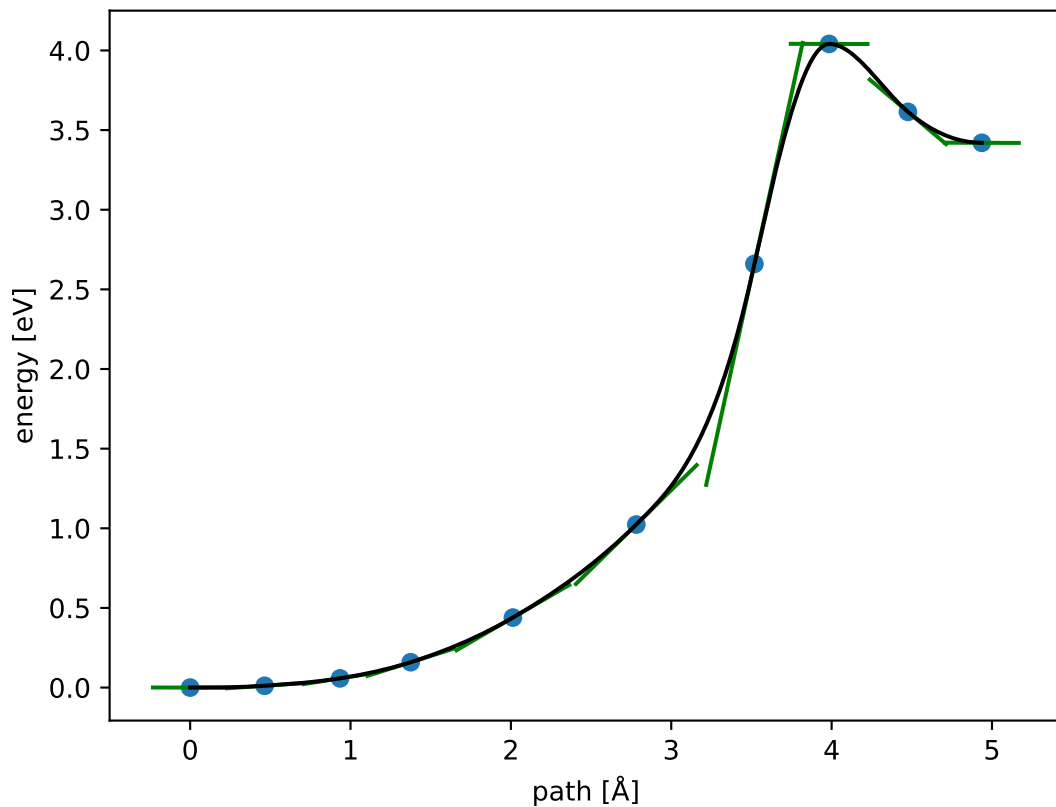
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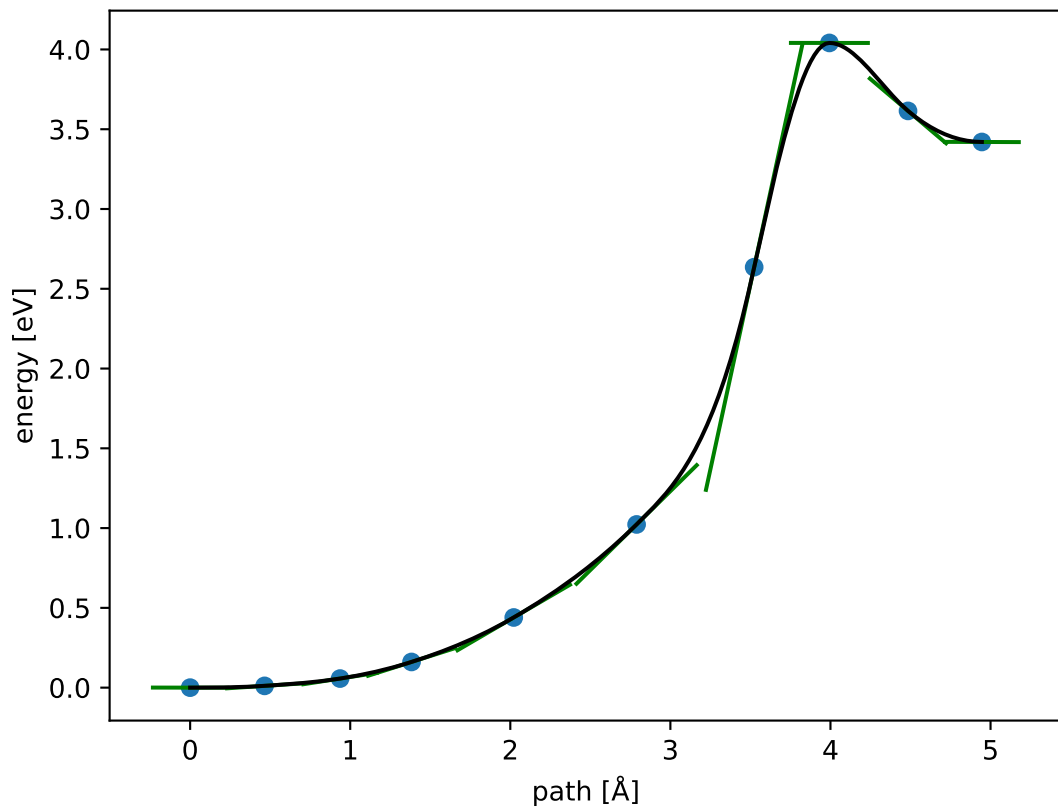
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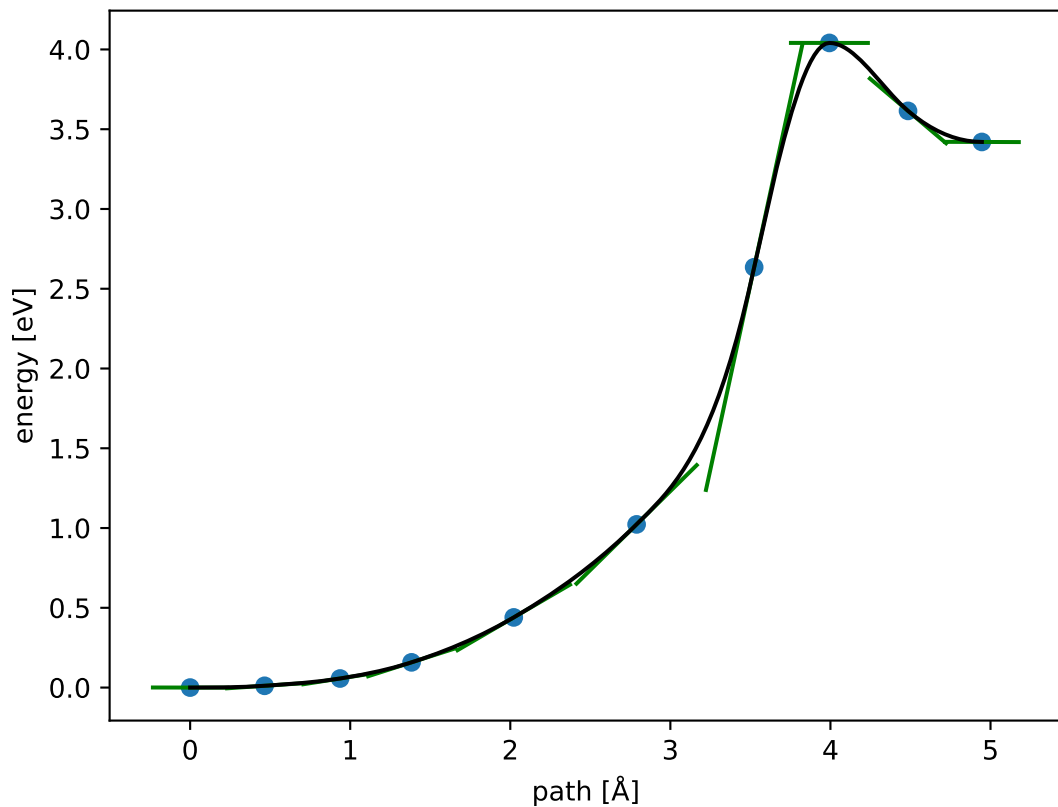
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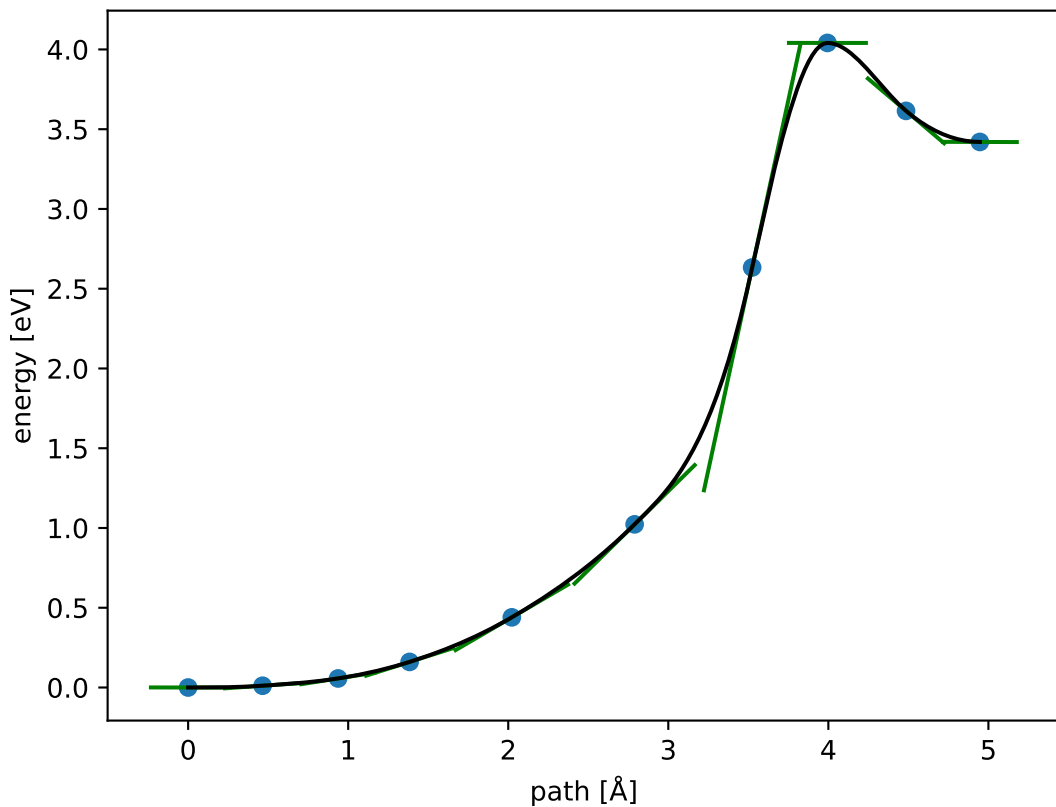


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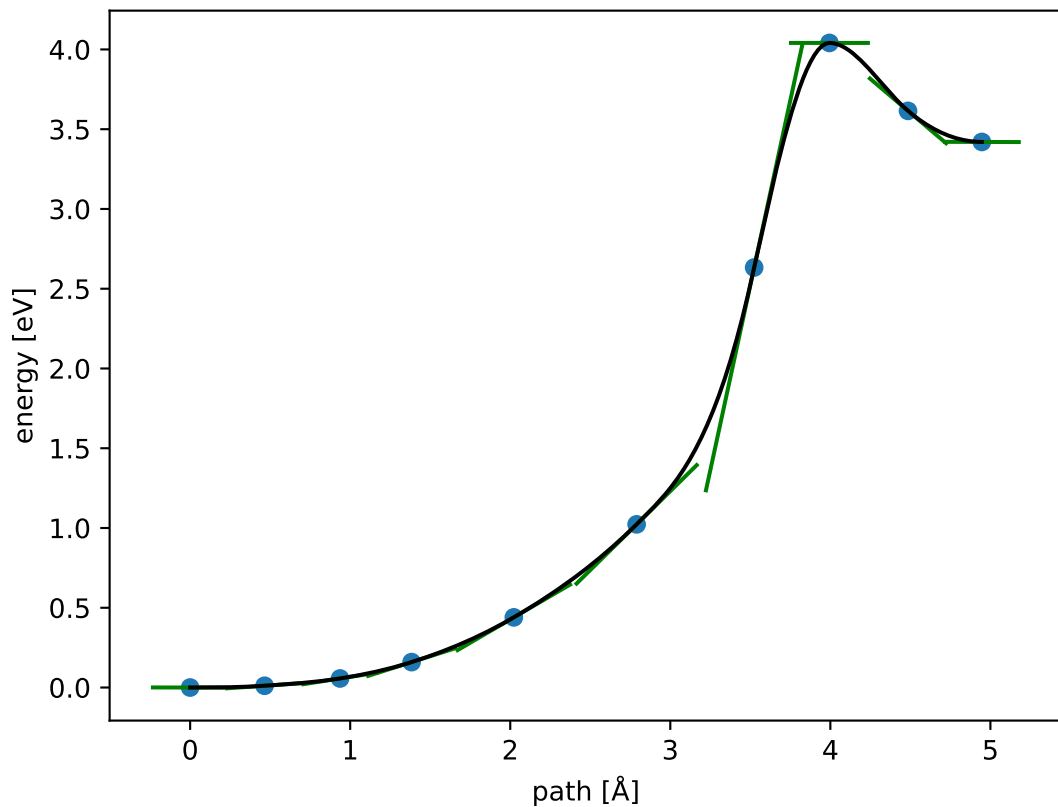




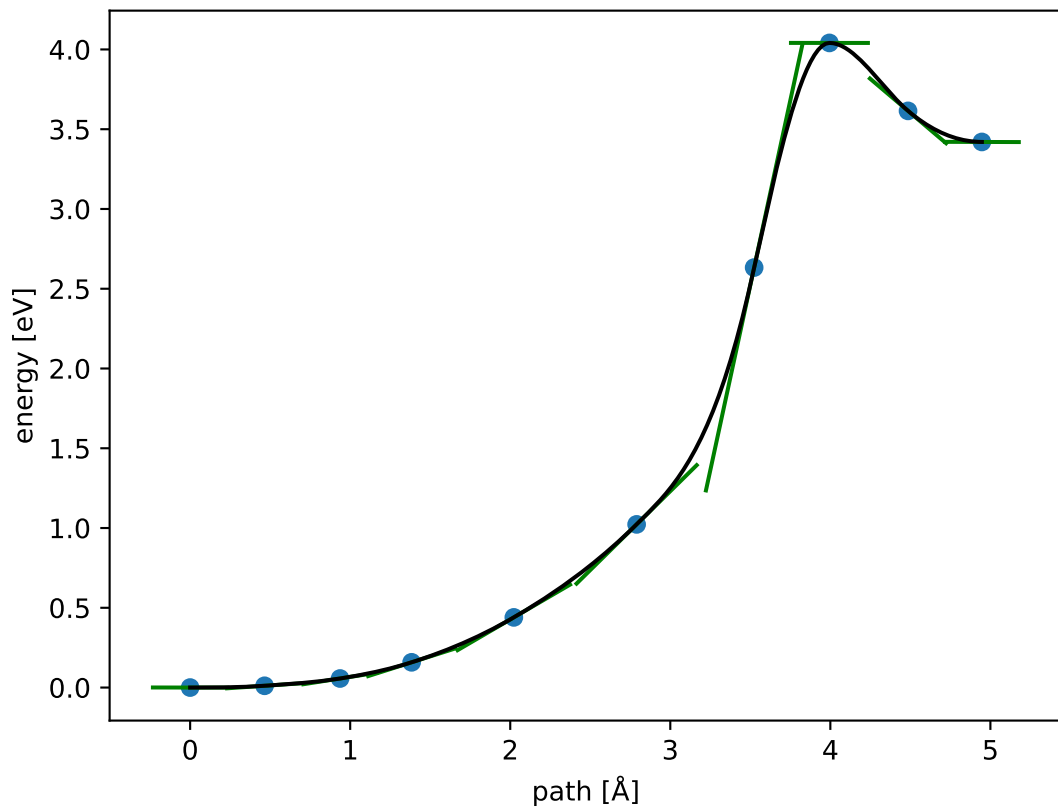
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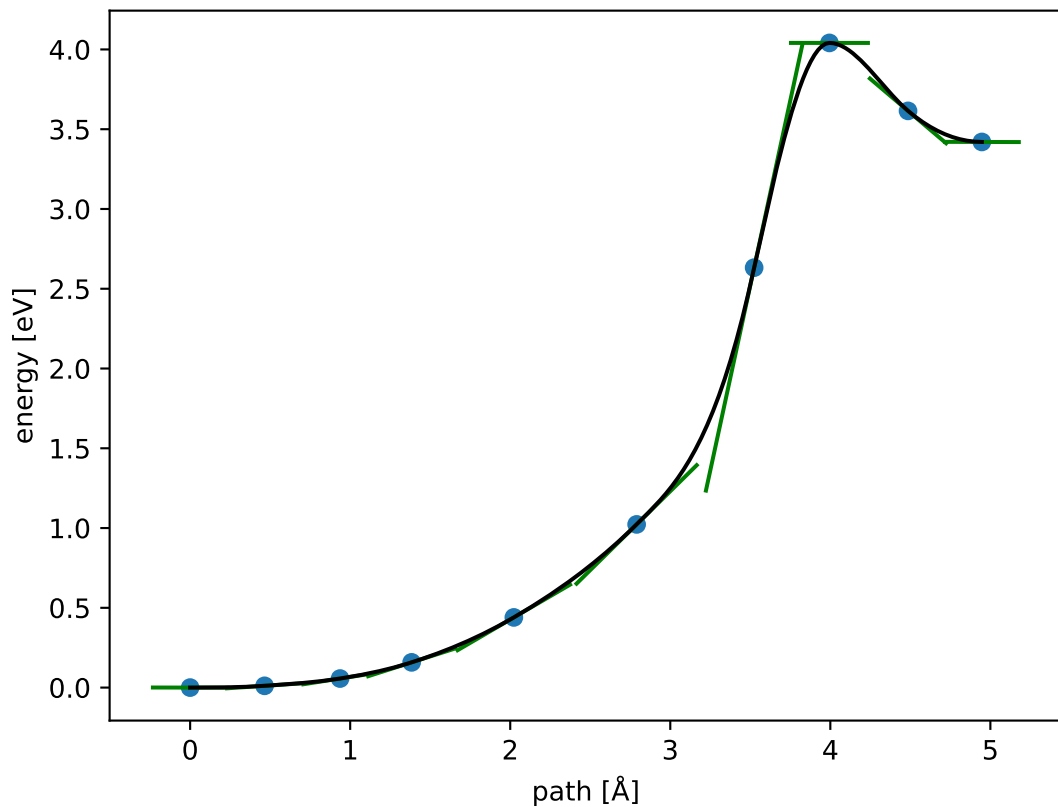
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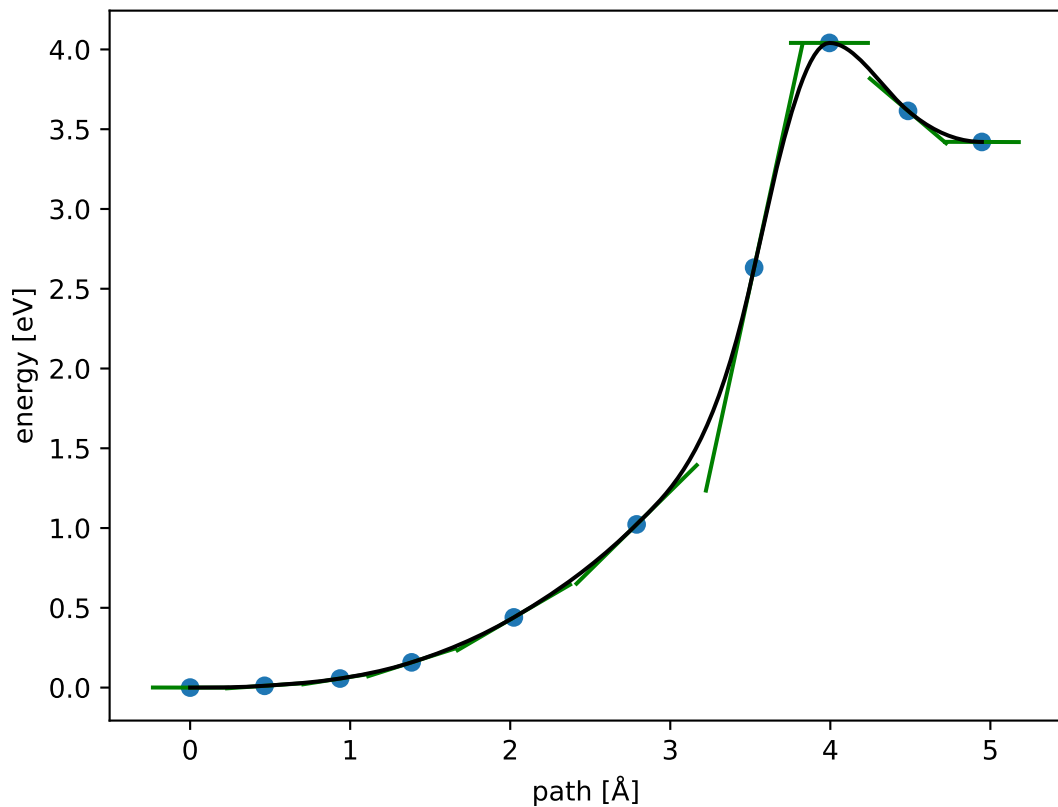
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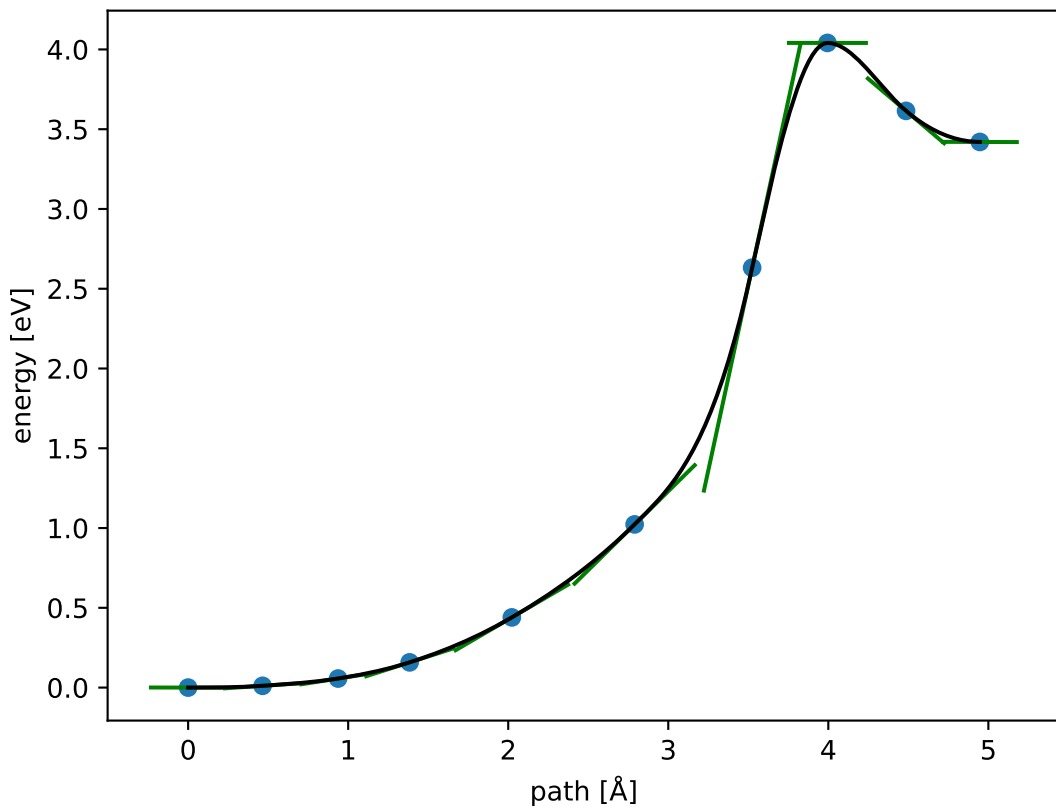
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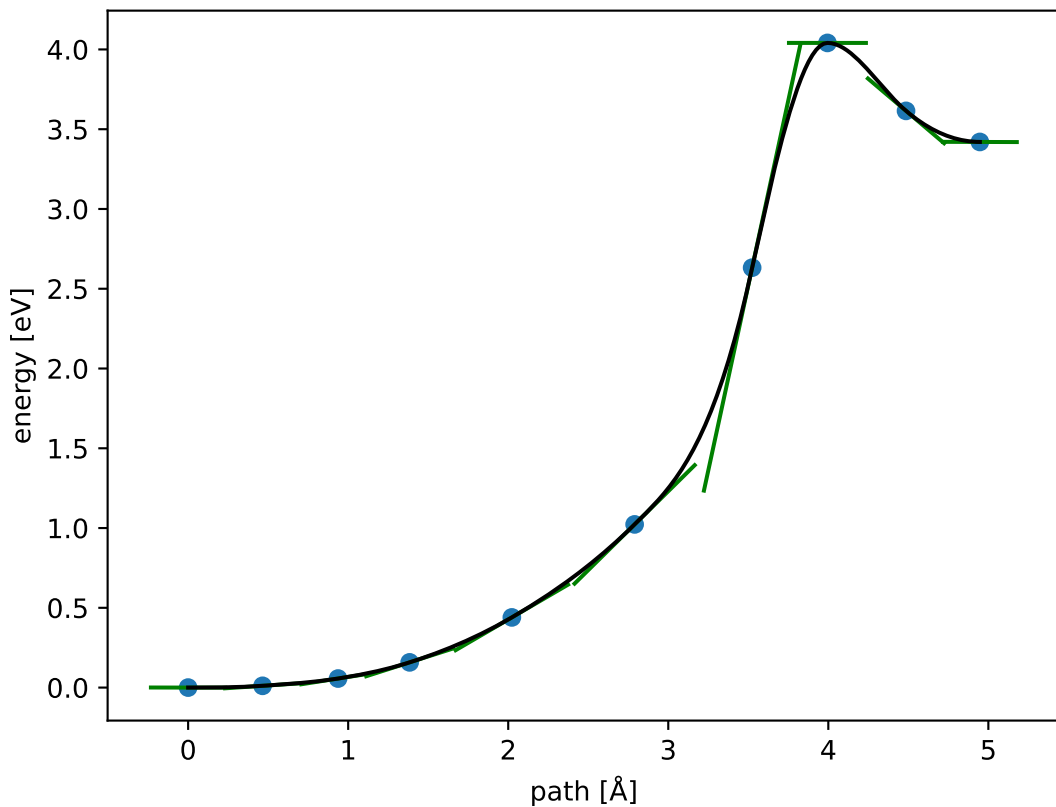
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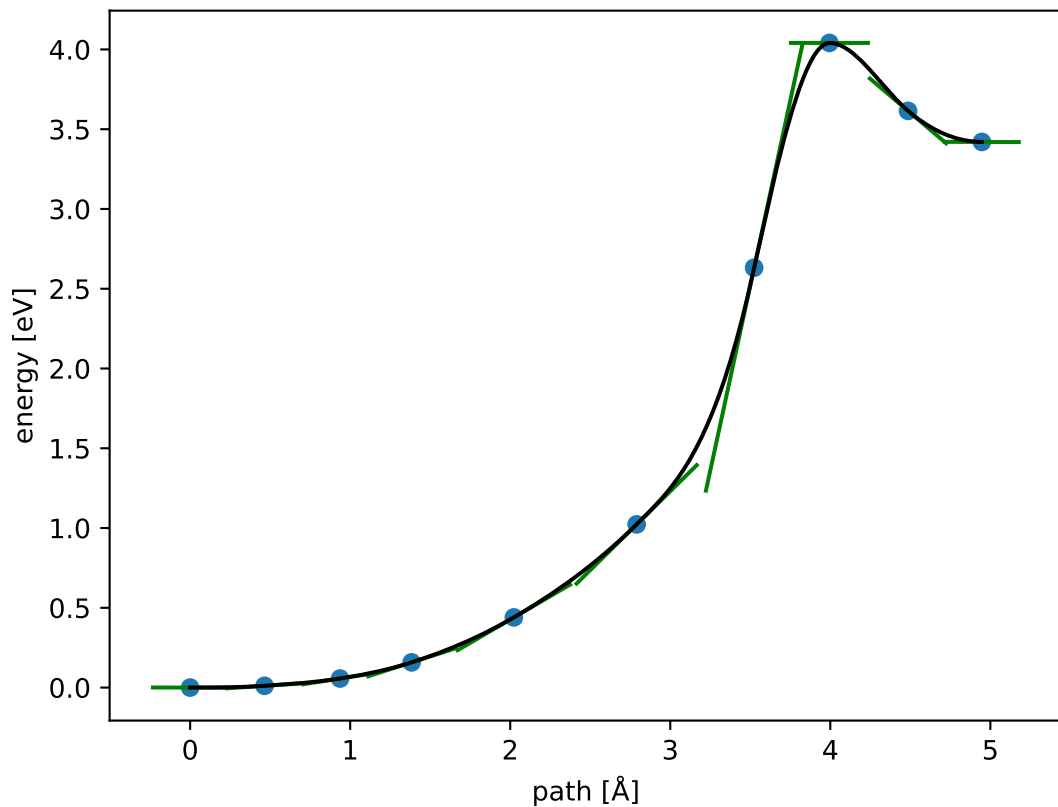
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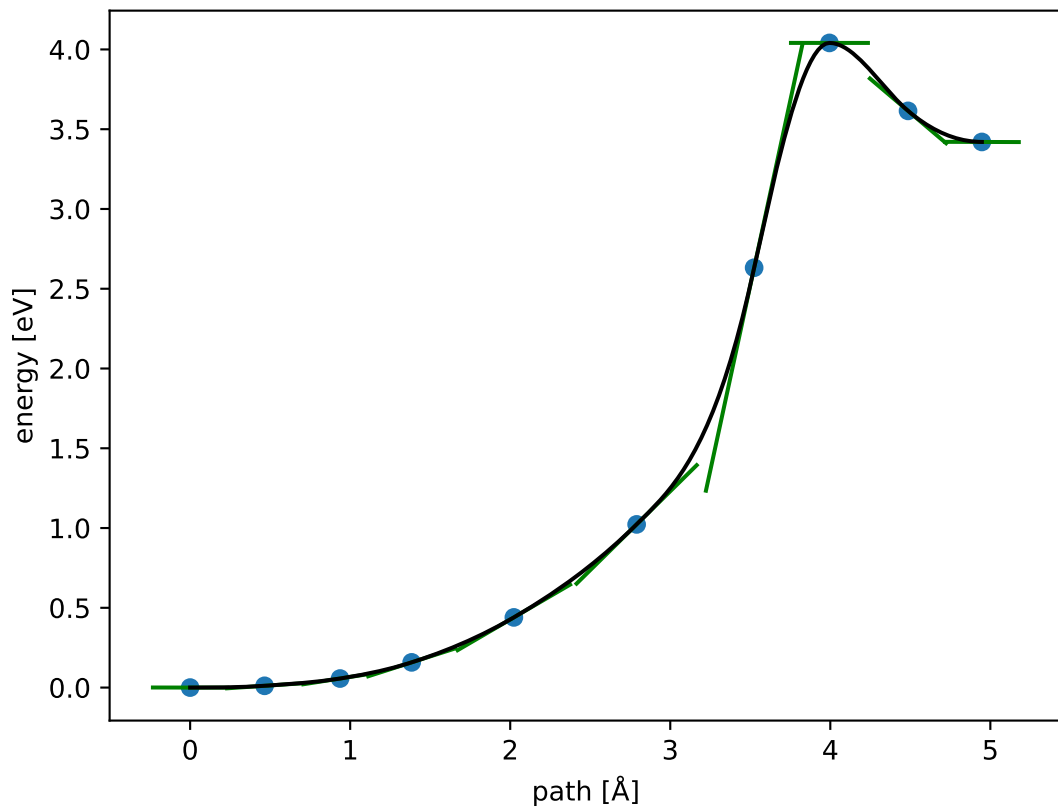


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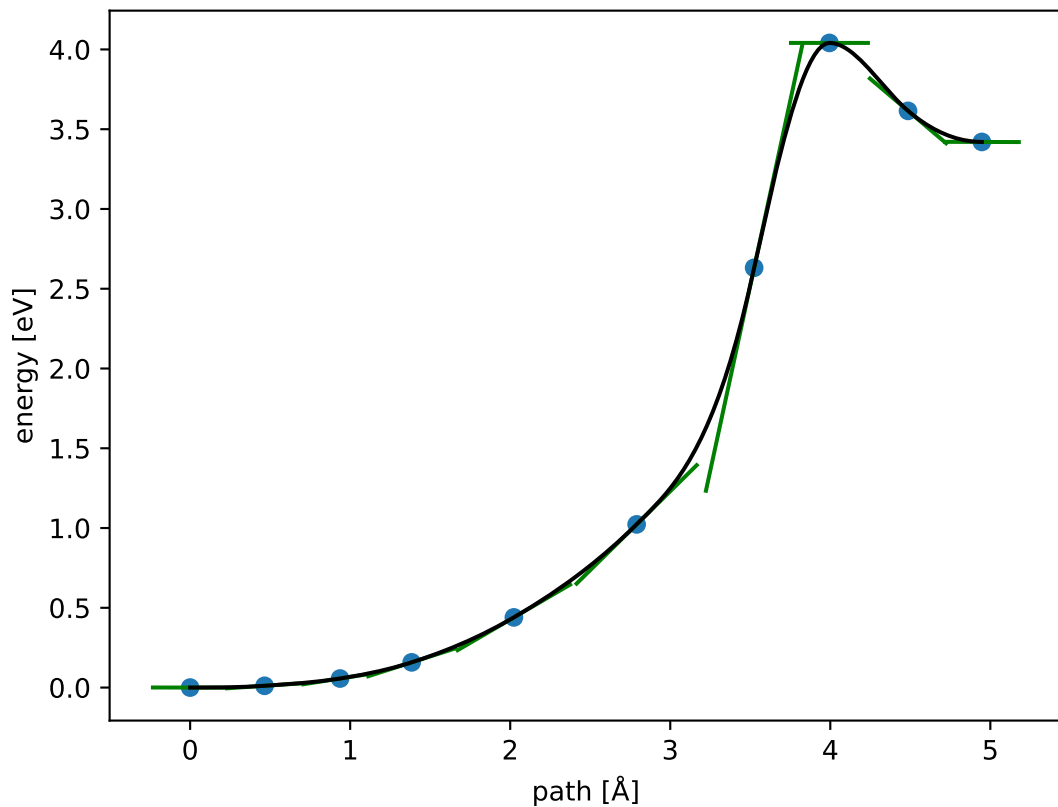




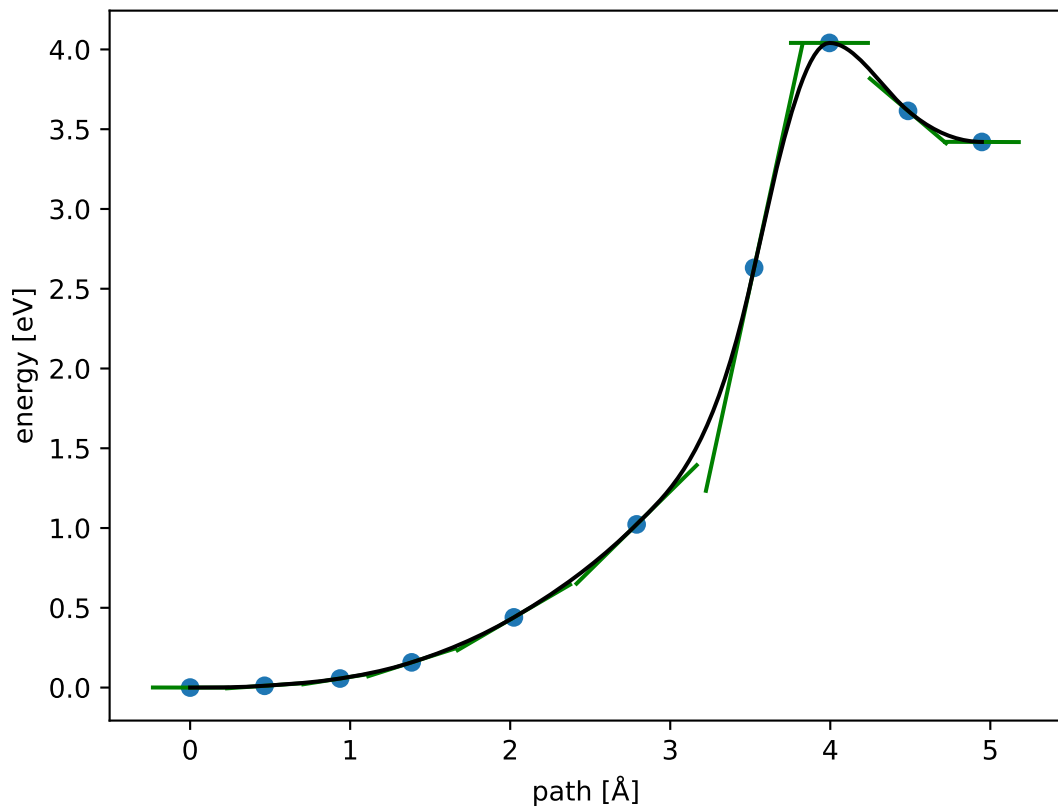
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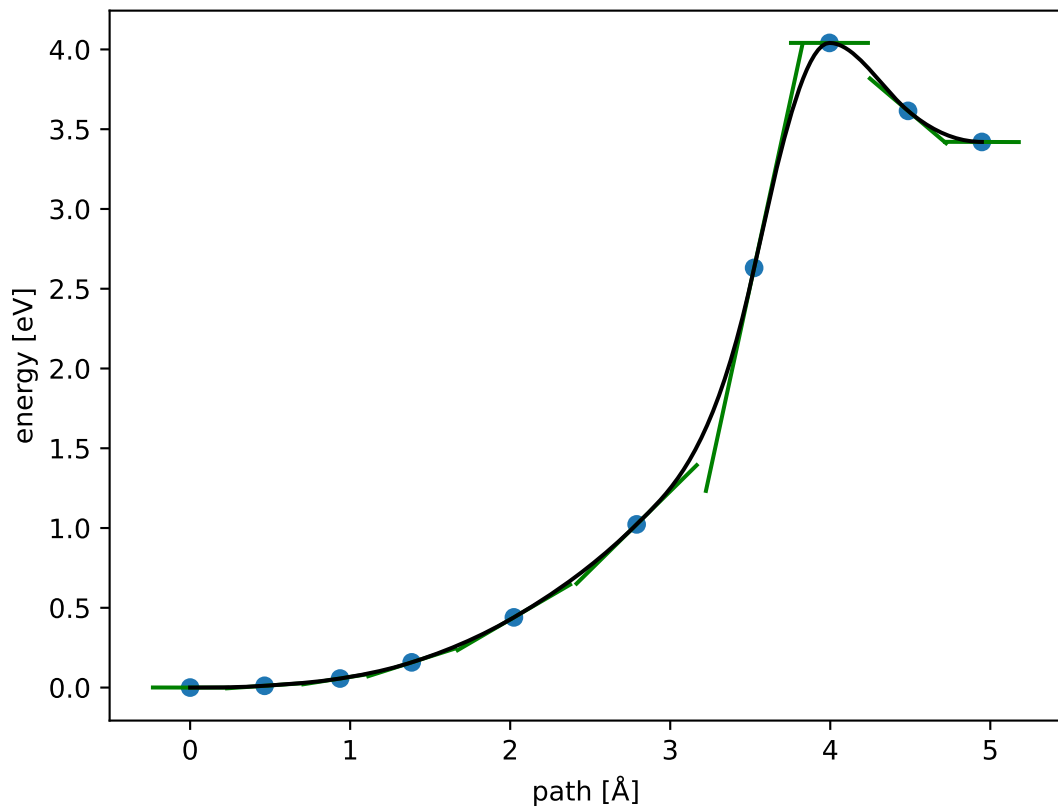
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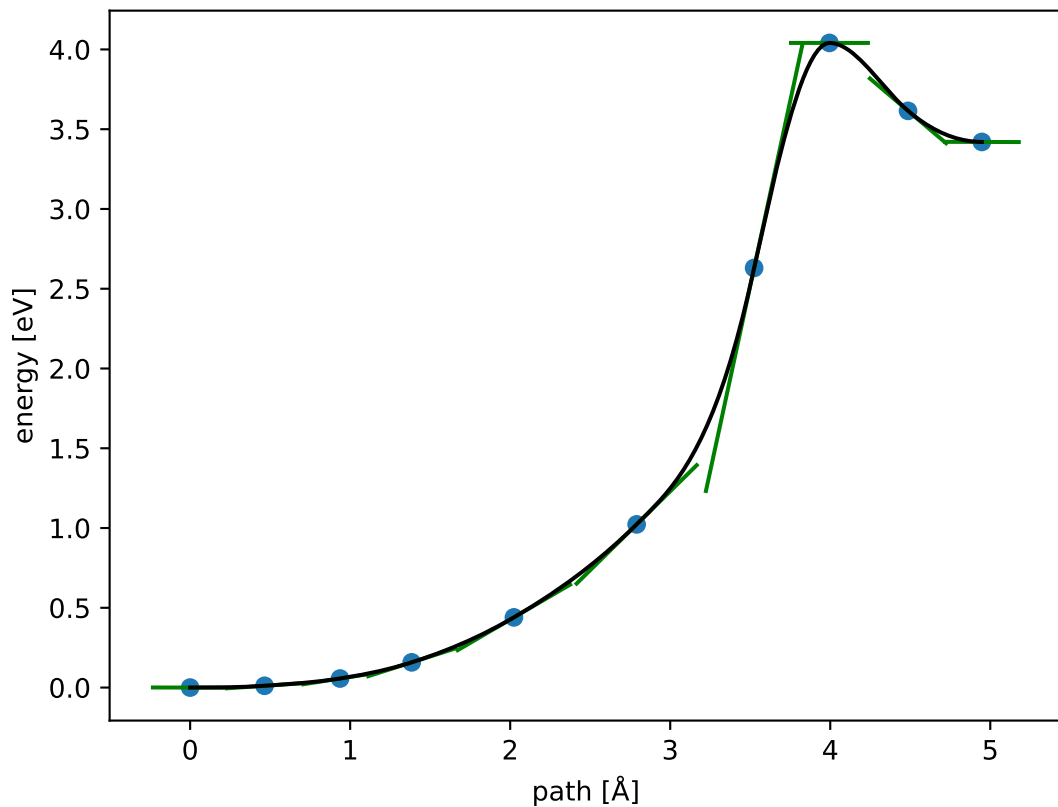
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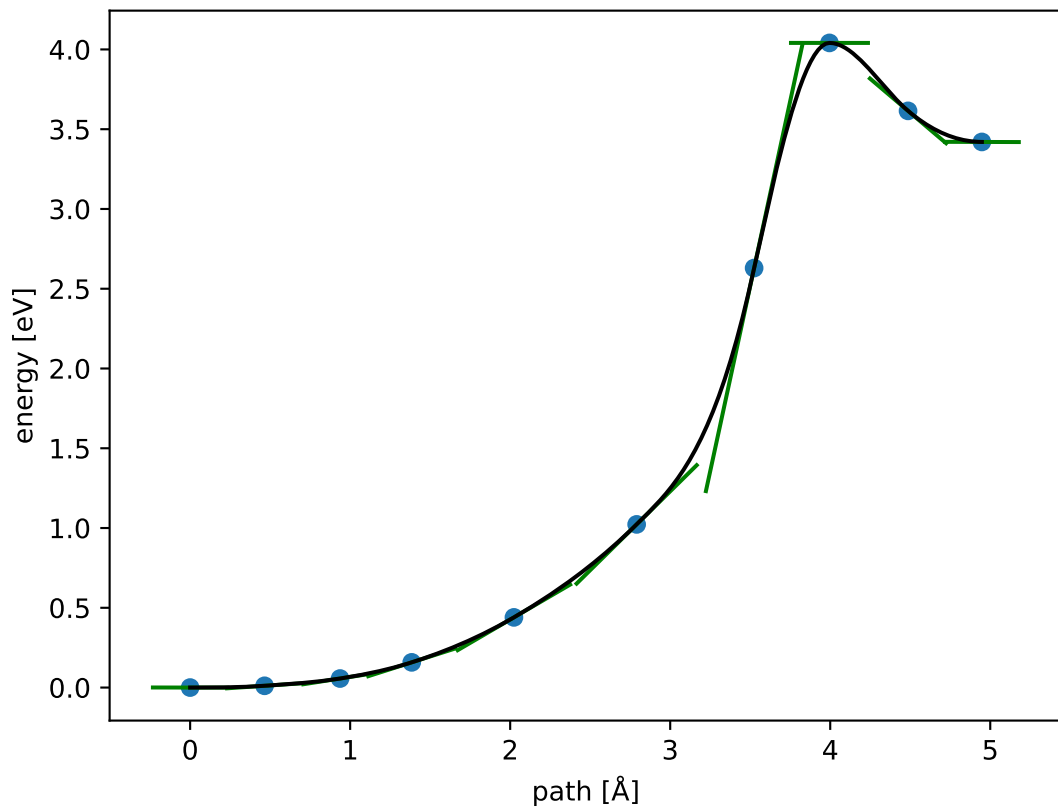
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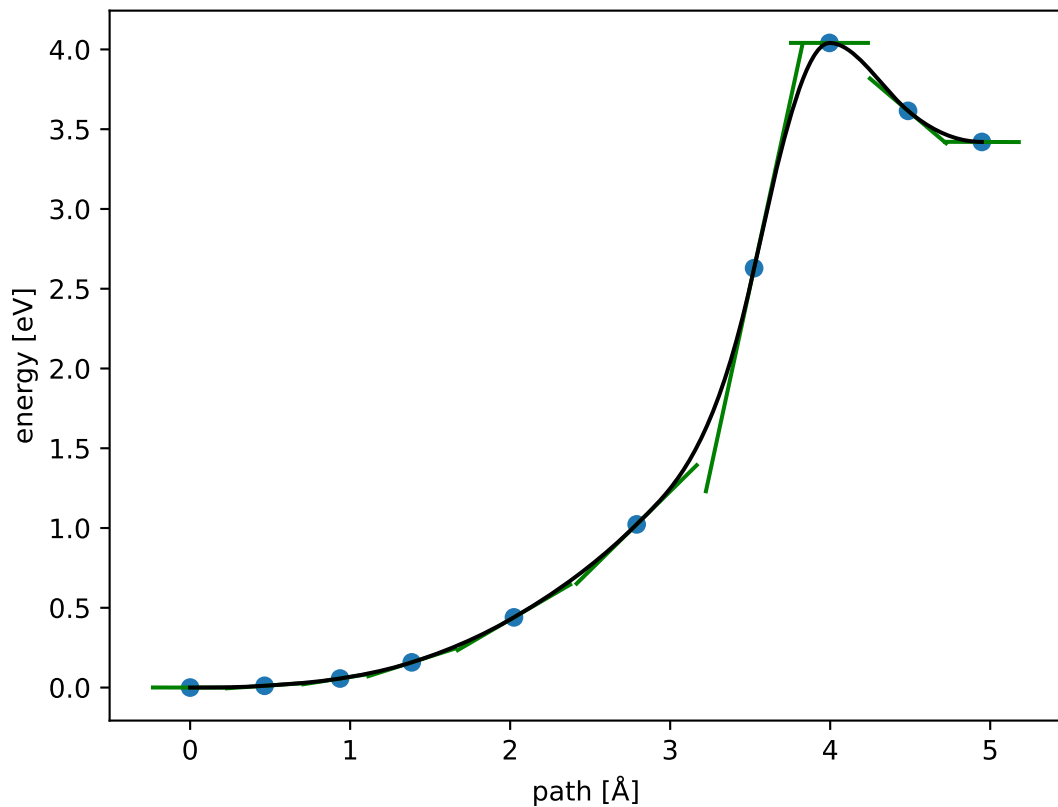
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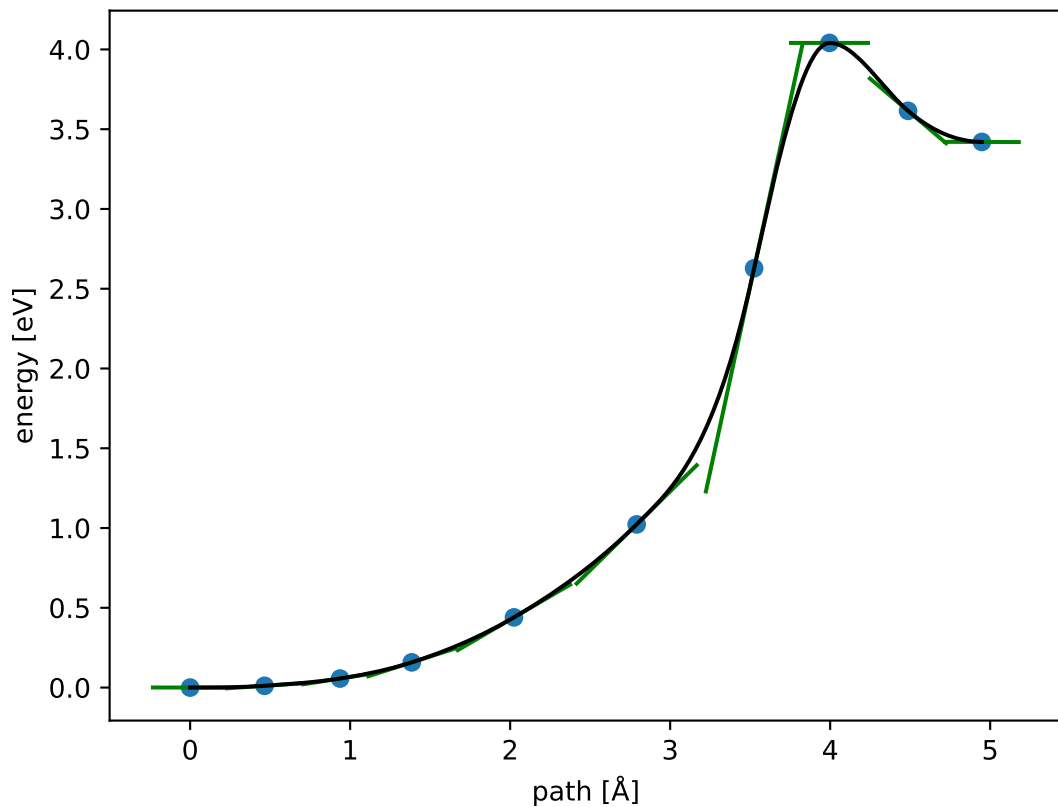
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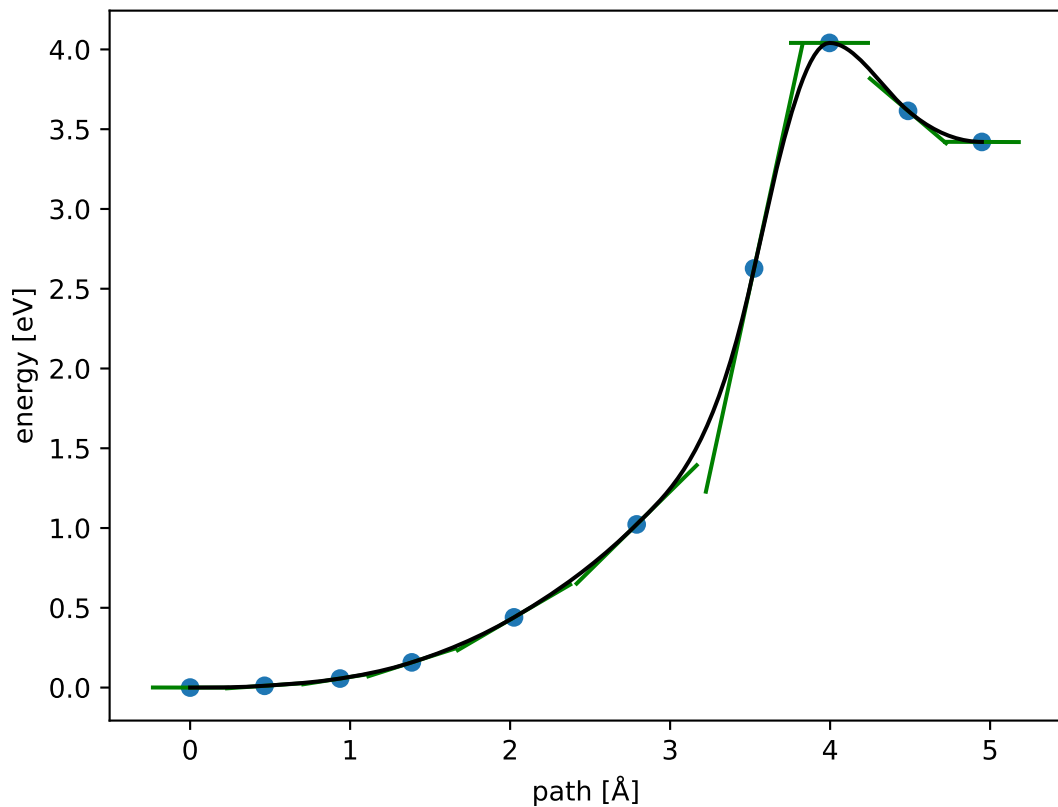


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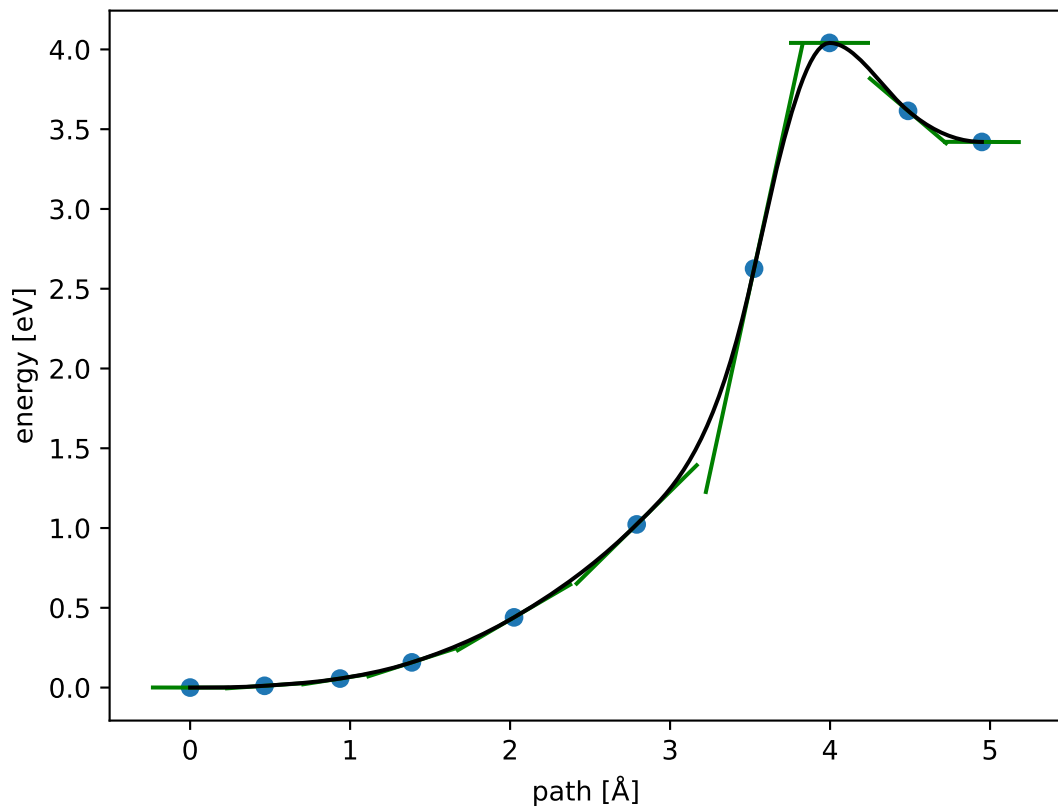




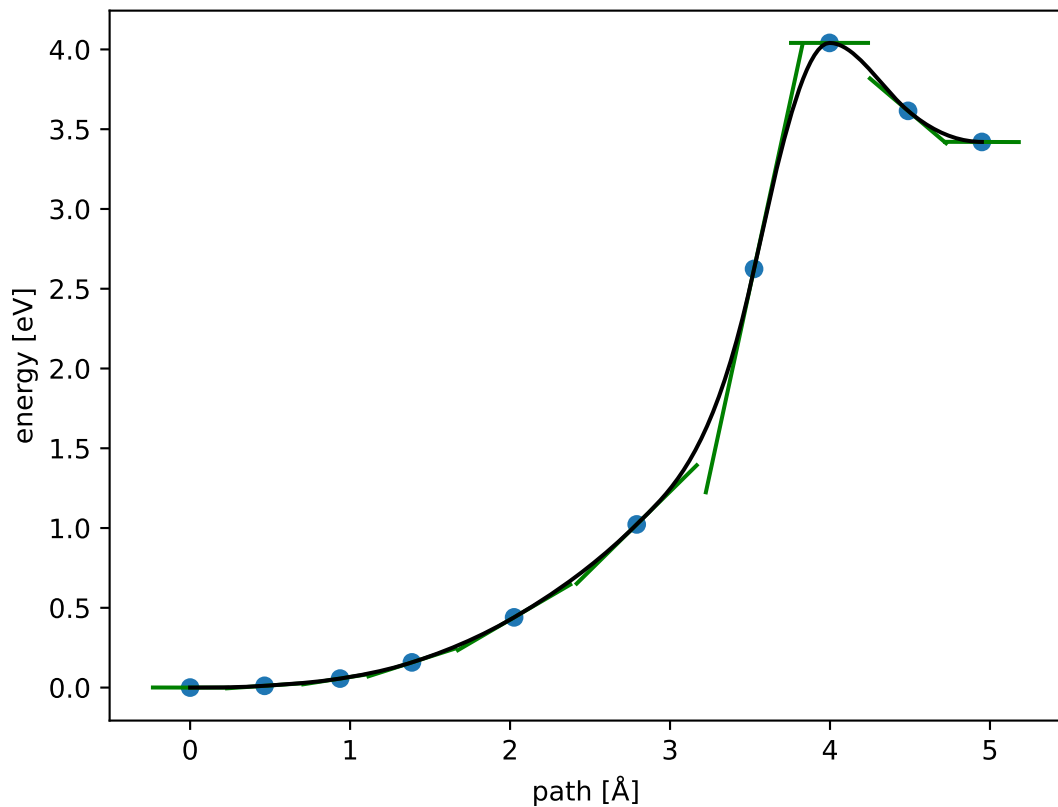
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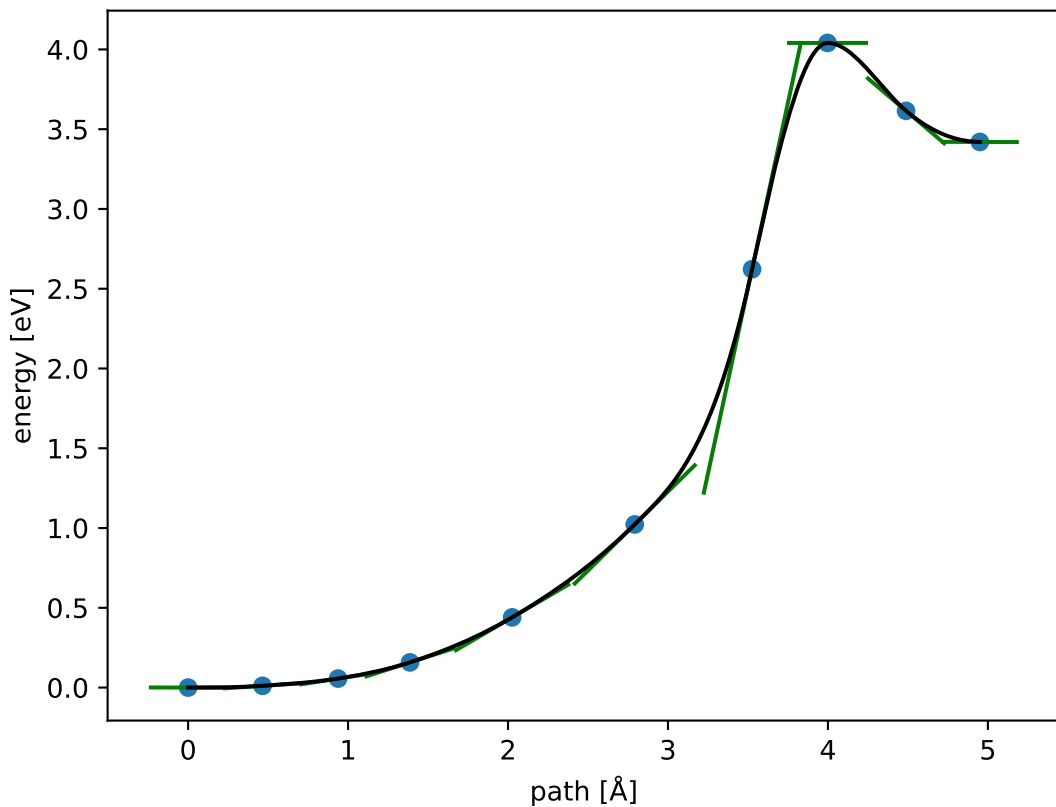
$$E_f \approx 4.041 \text{ eV}; E_r \approx 0.621 \text{ eV}; \Delta E = 3.420 \text{ eV}$$



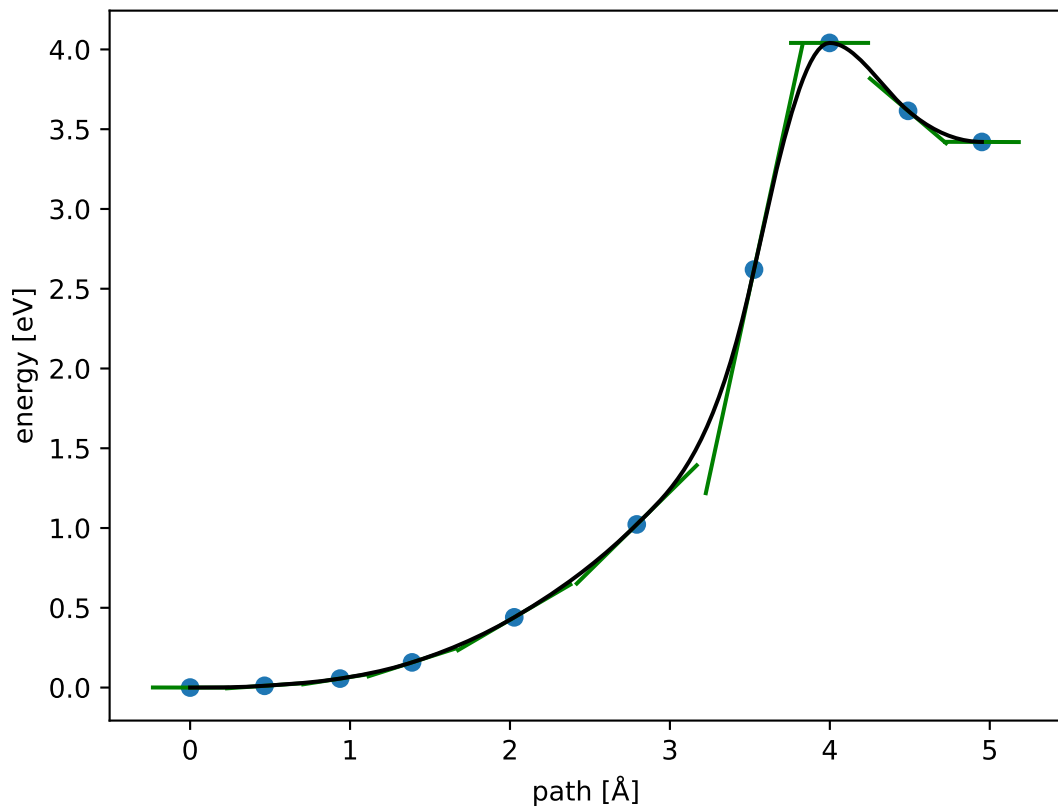
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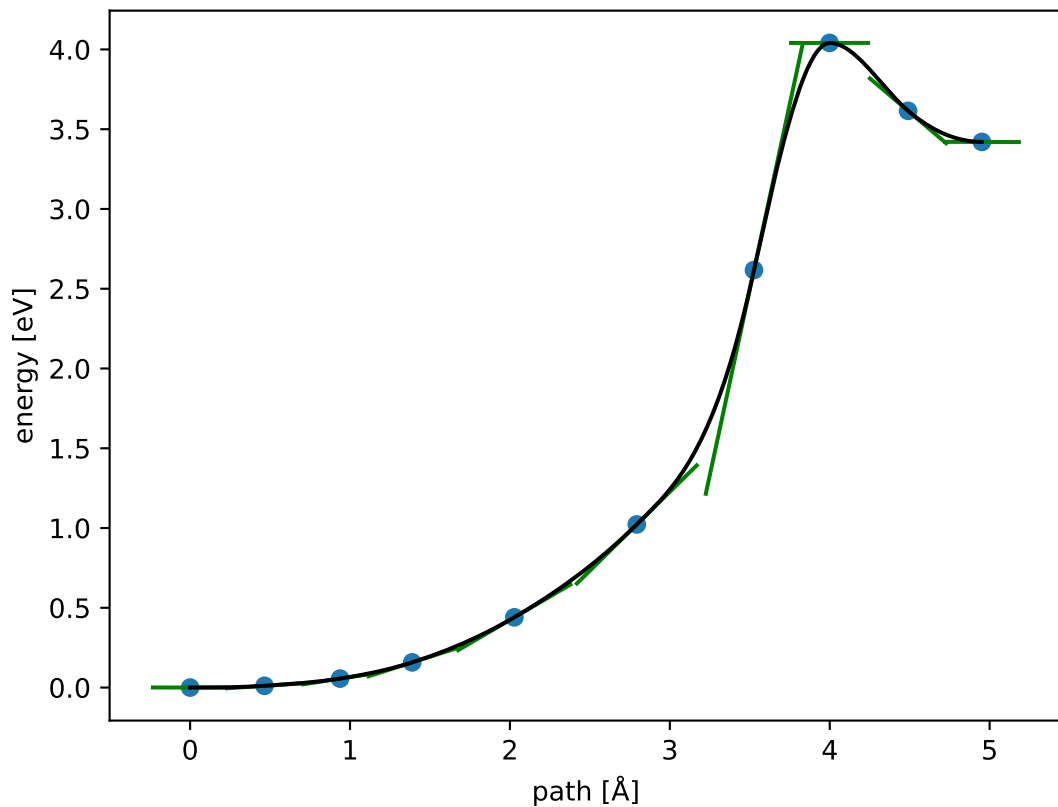
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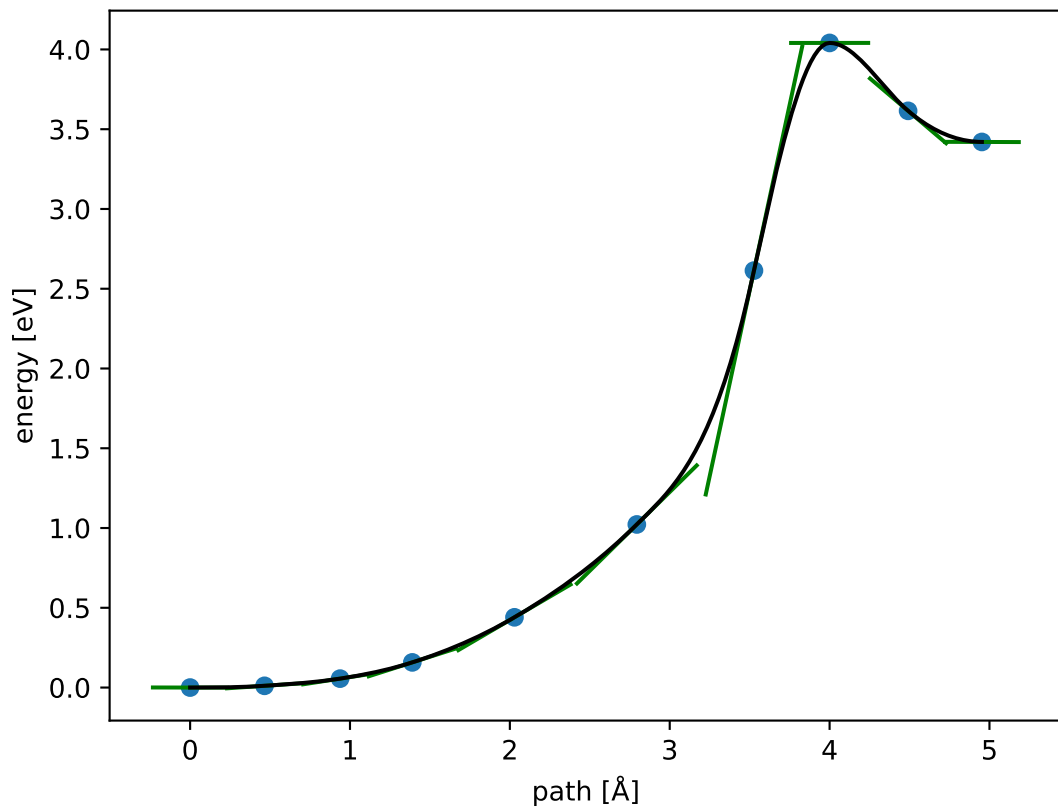
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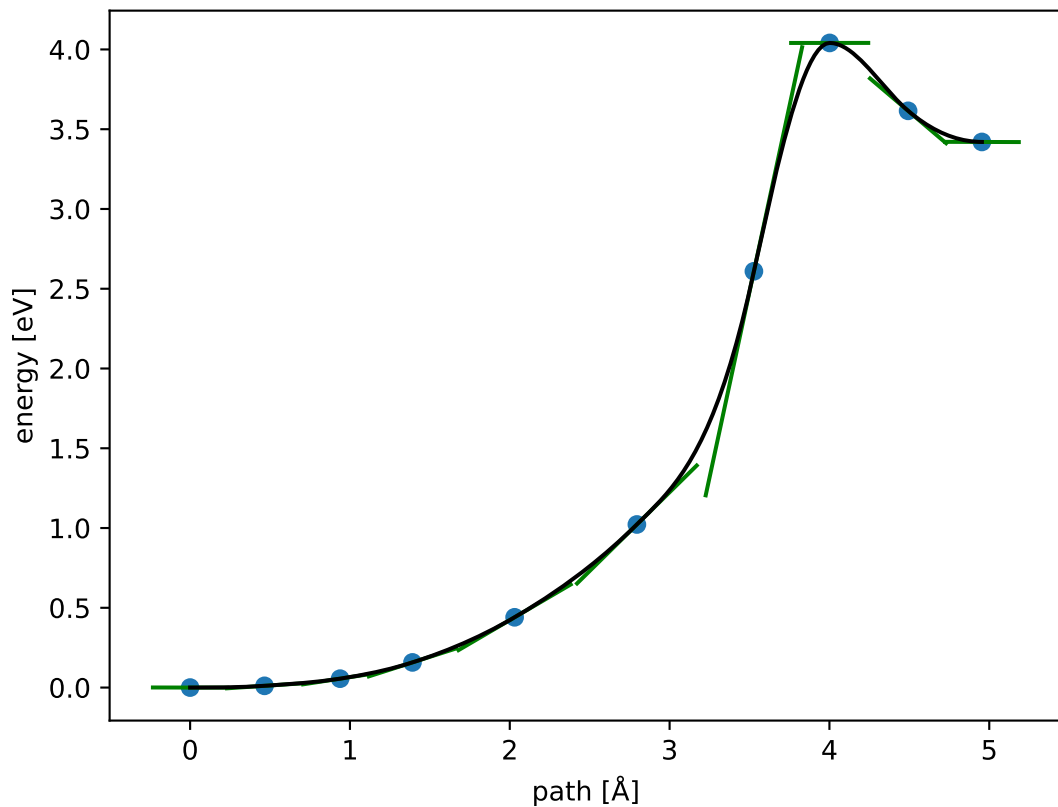
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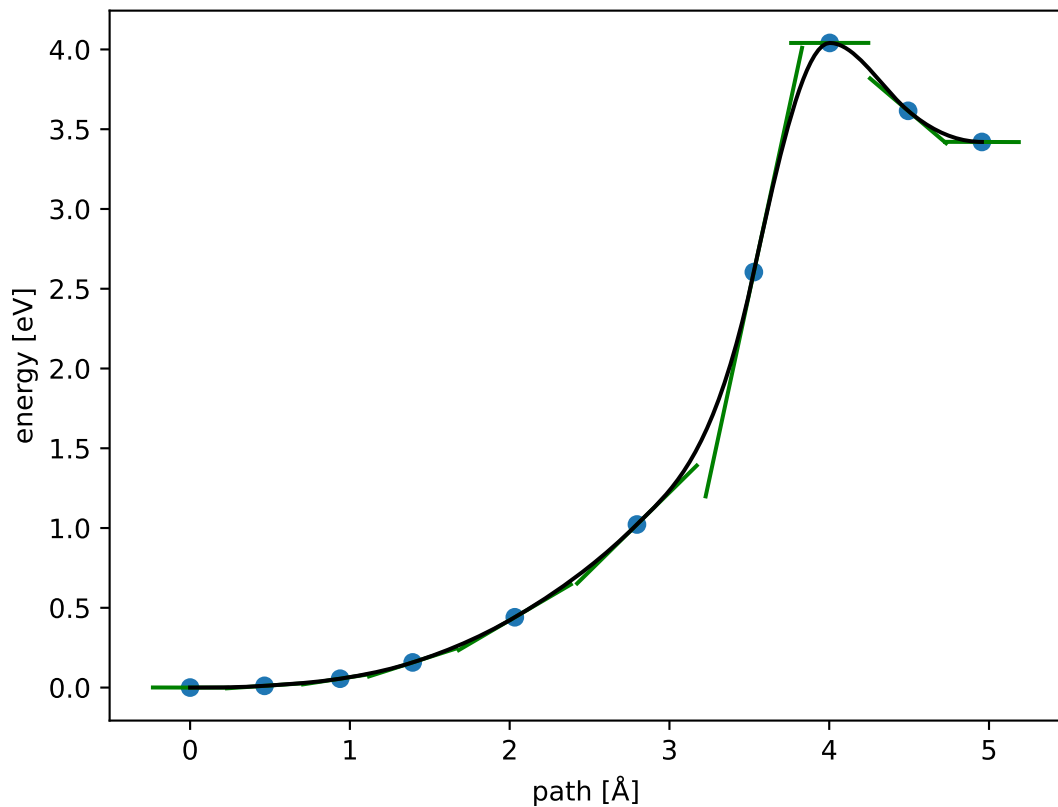


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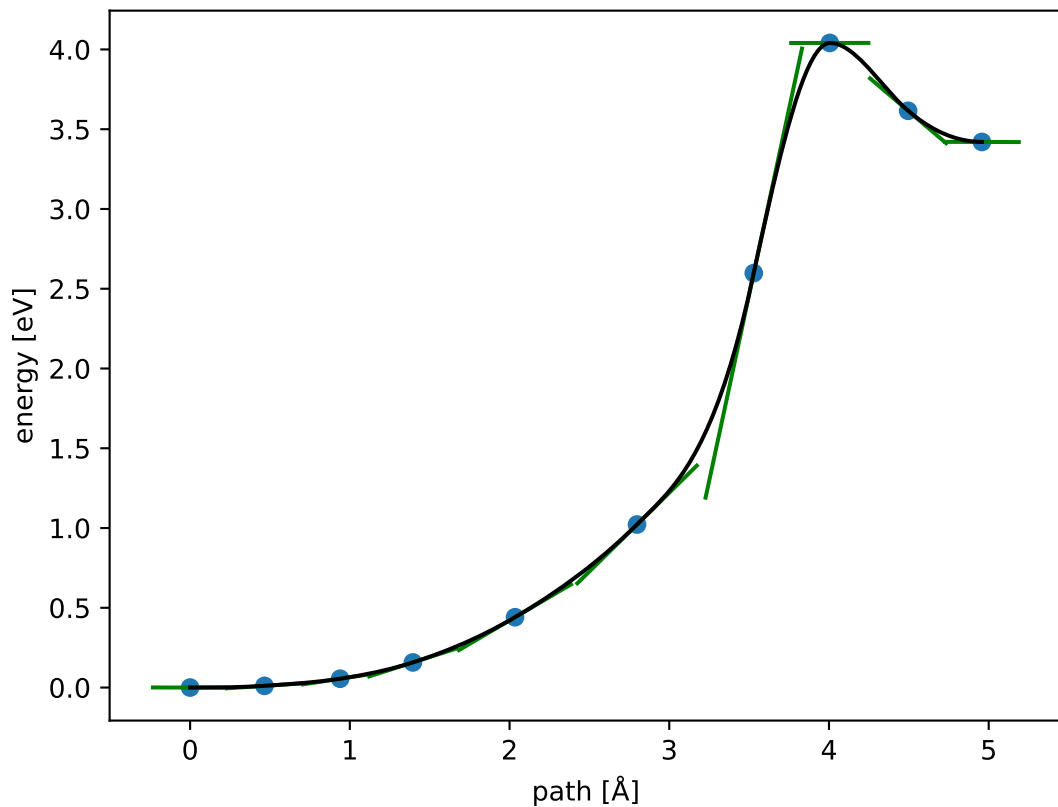




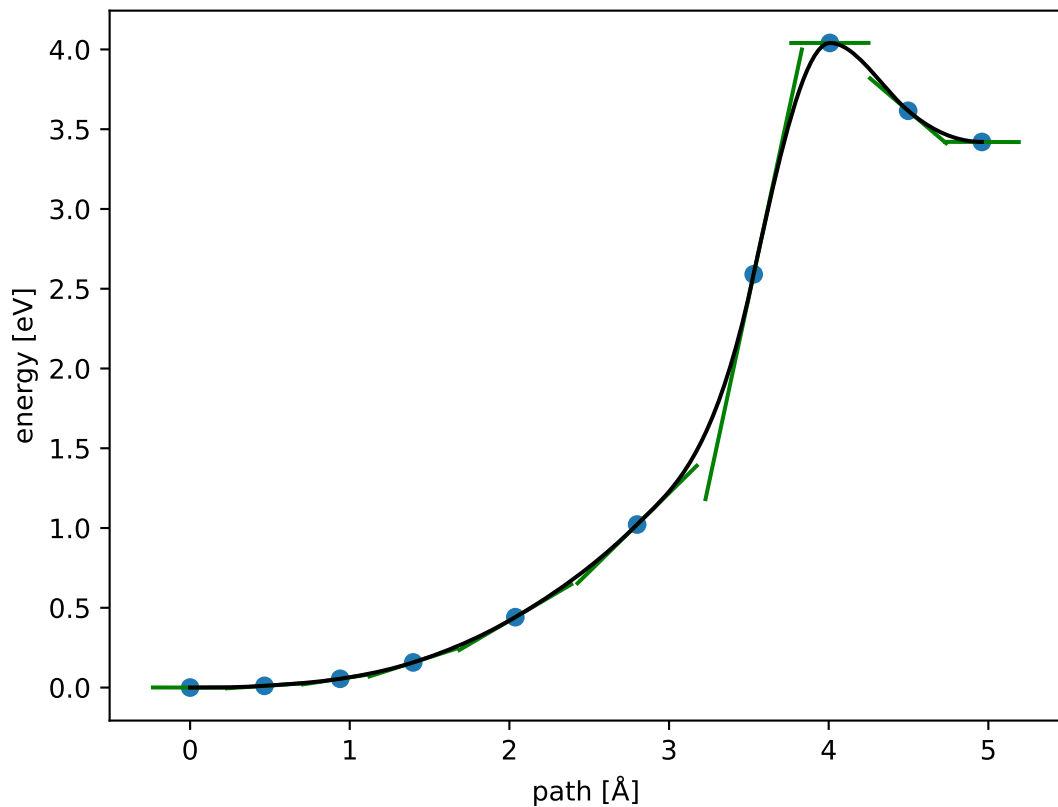
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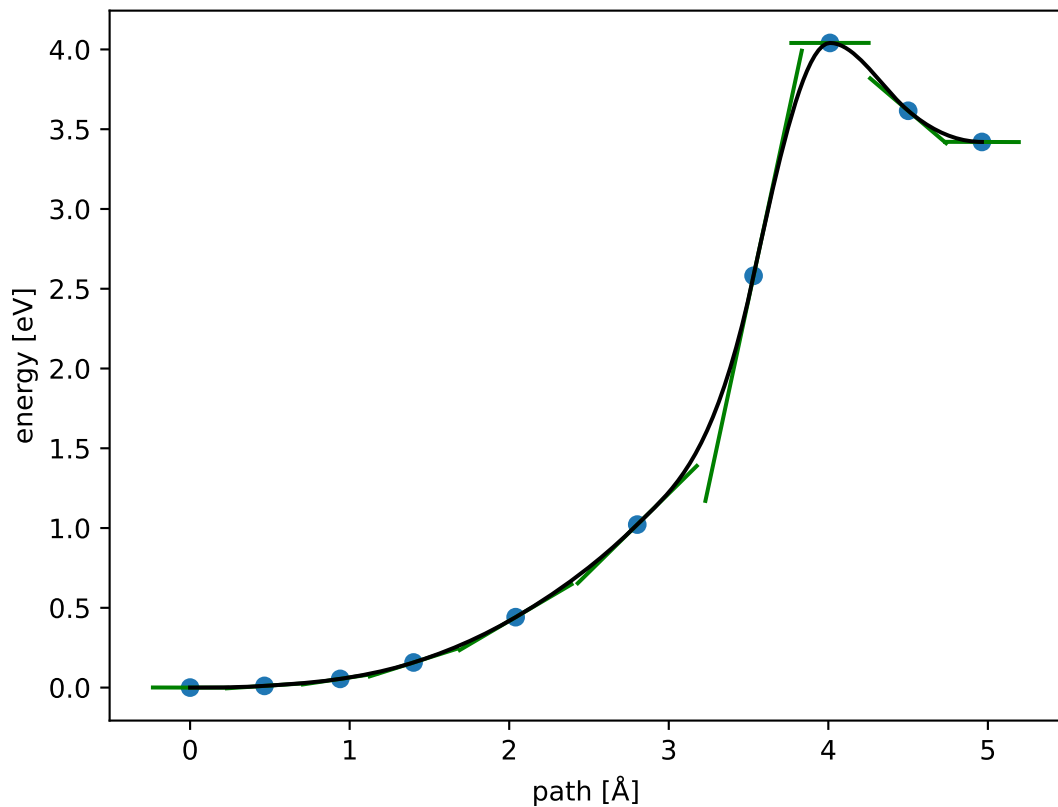
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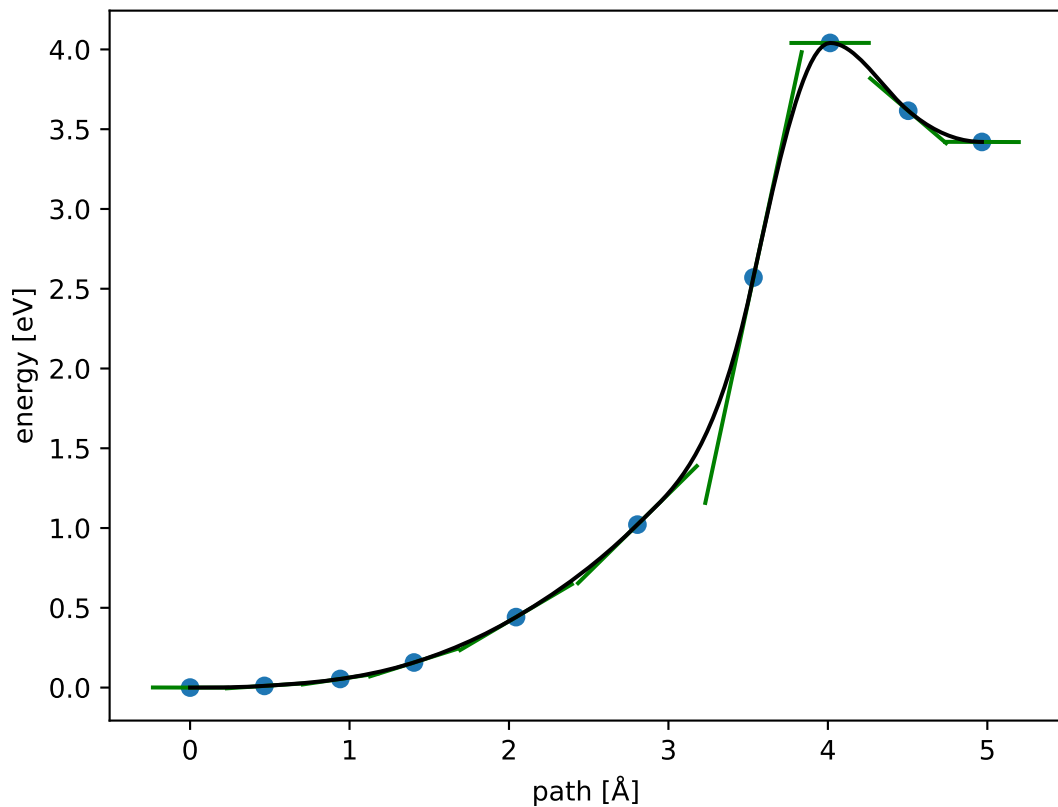
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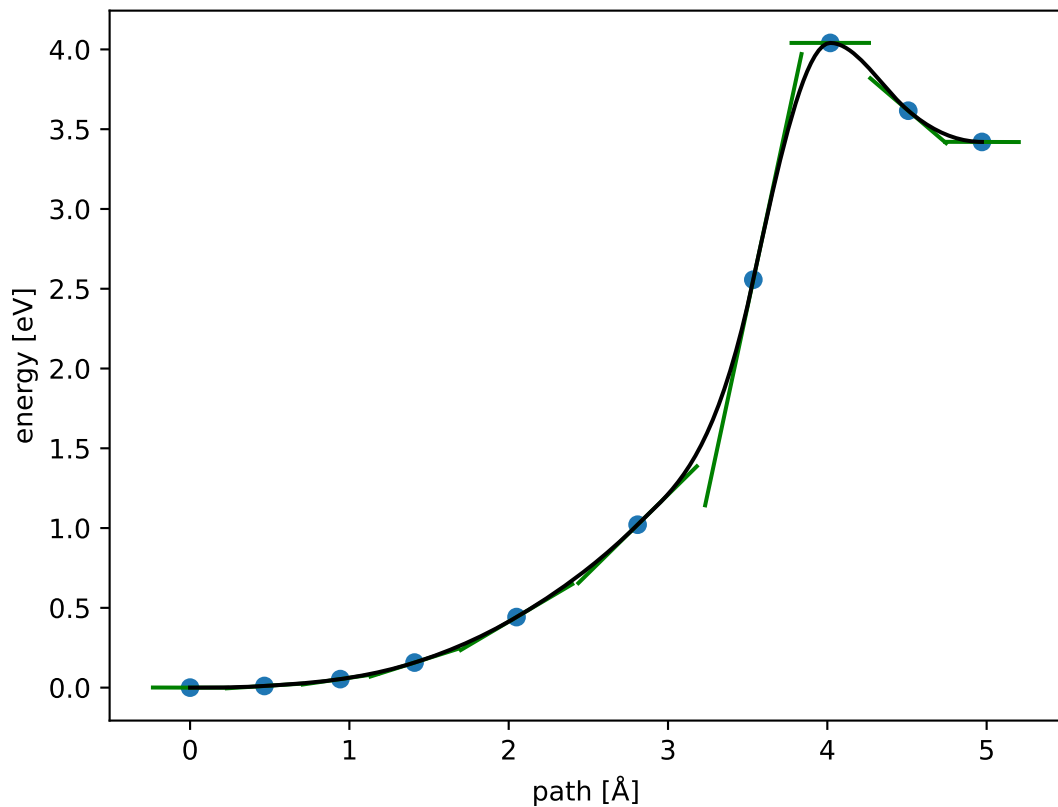
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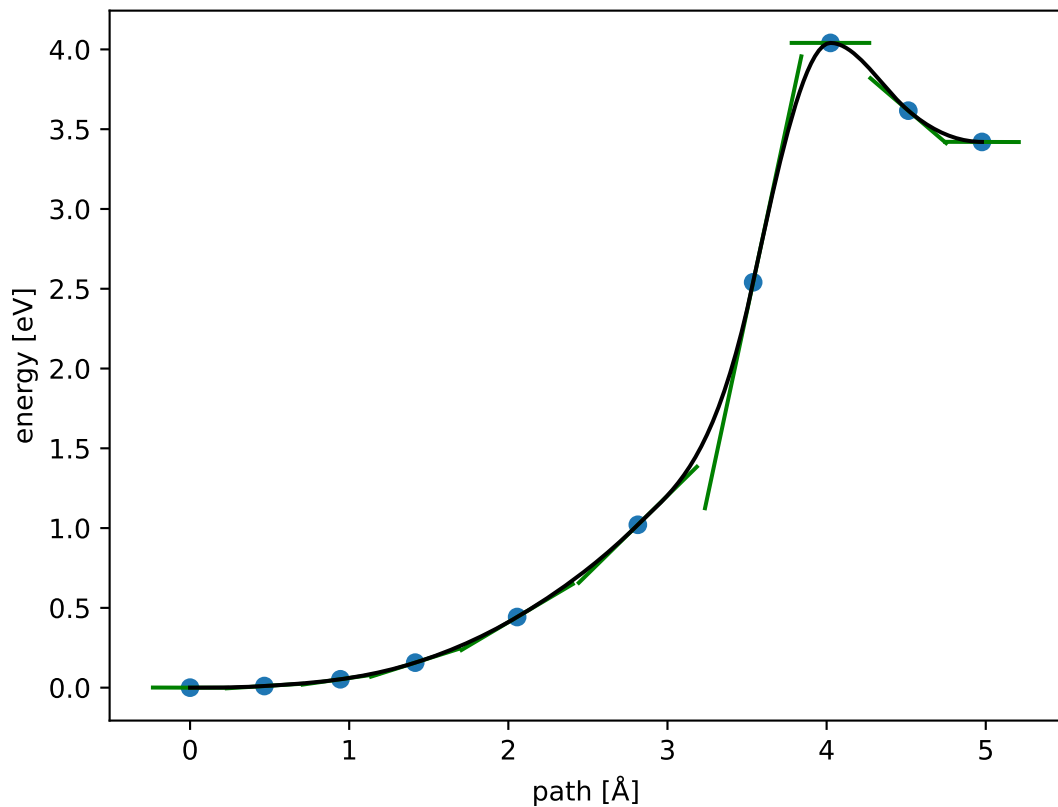
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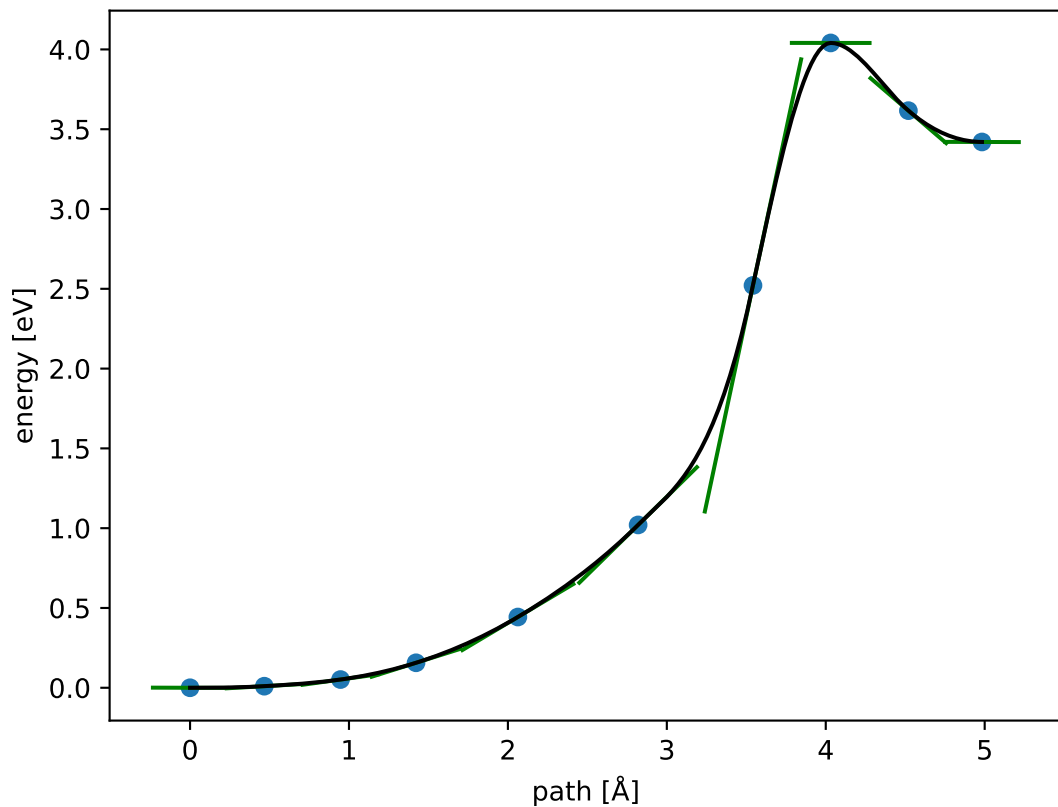
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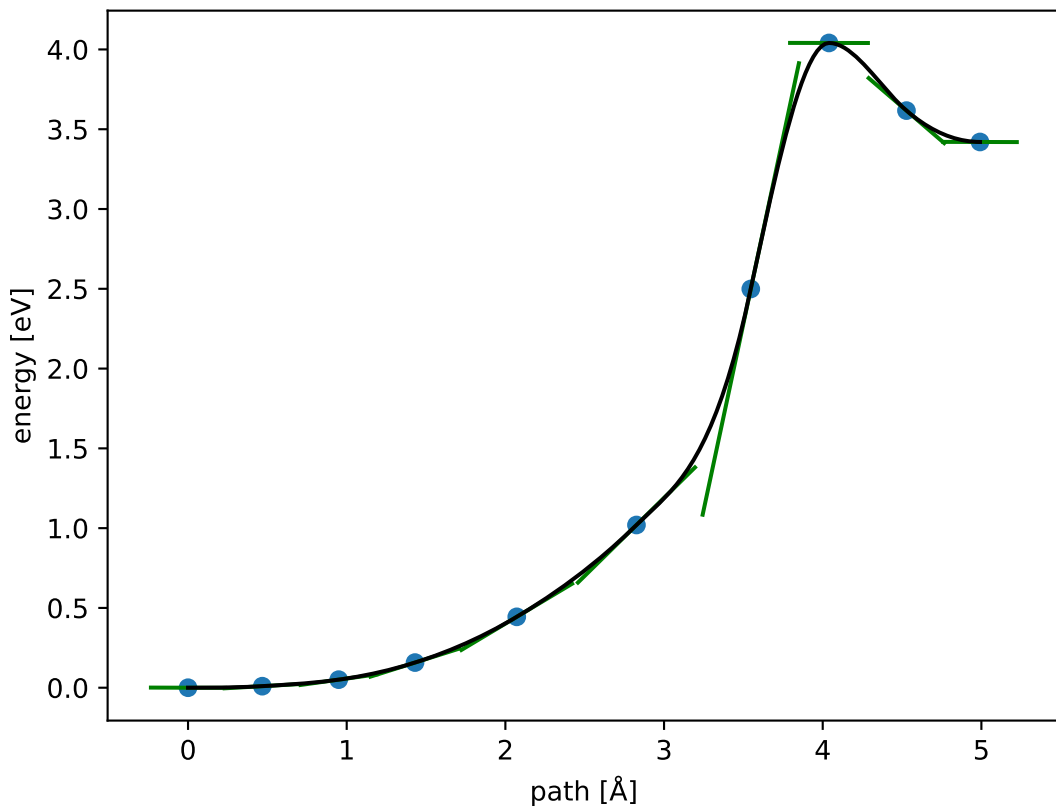


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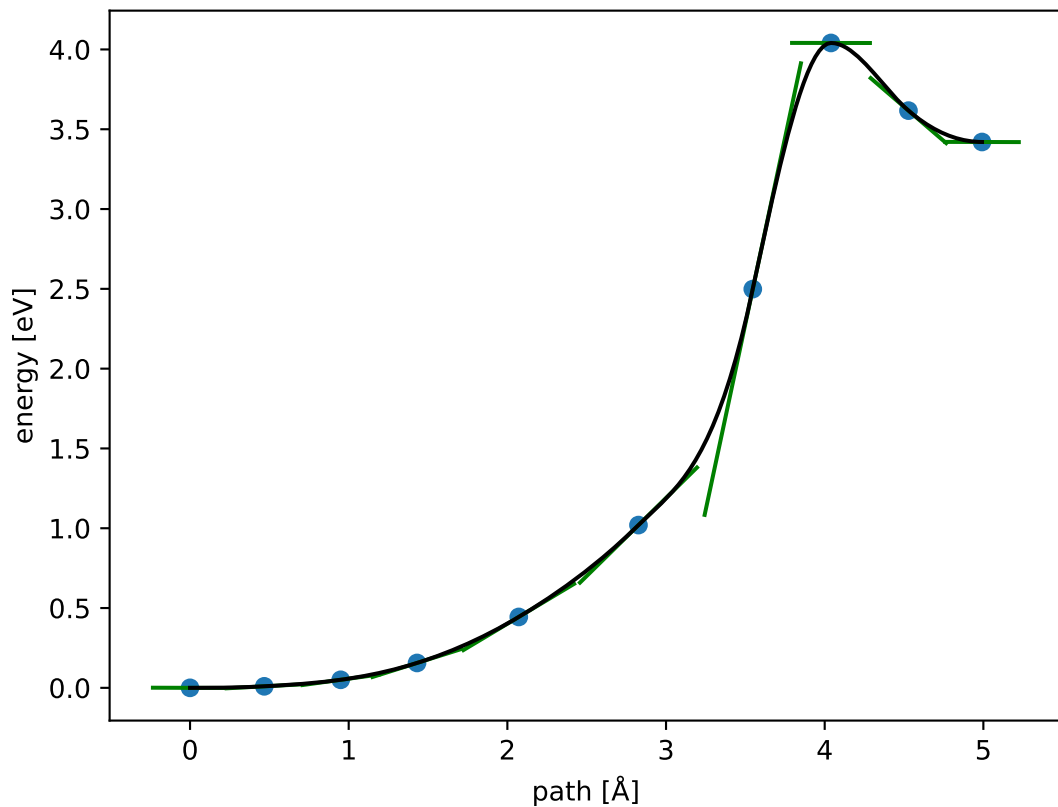




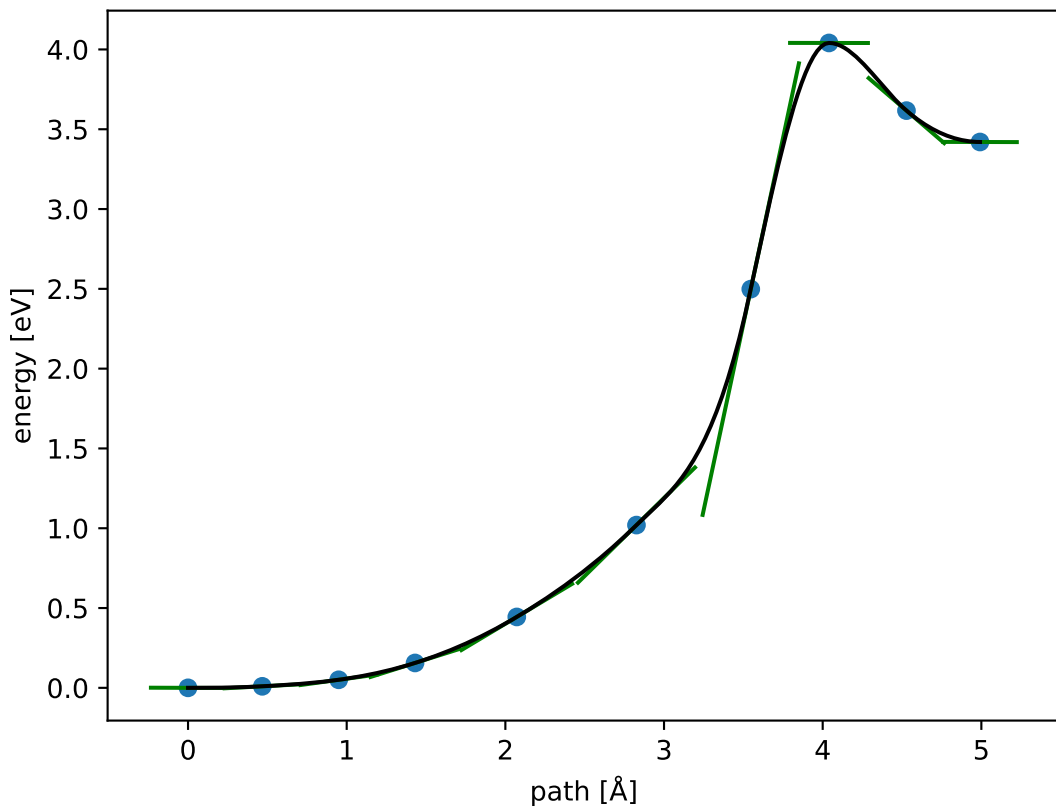
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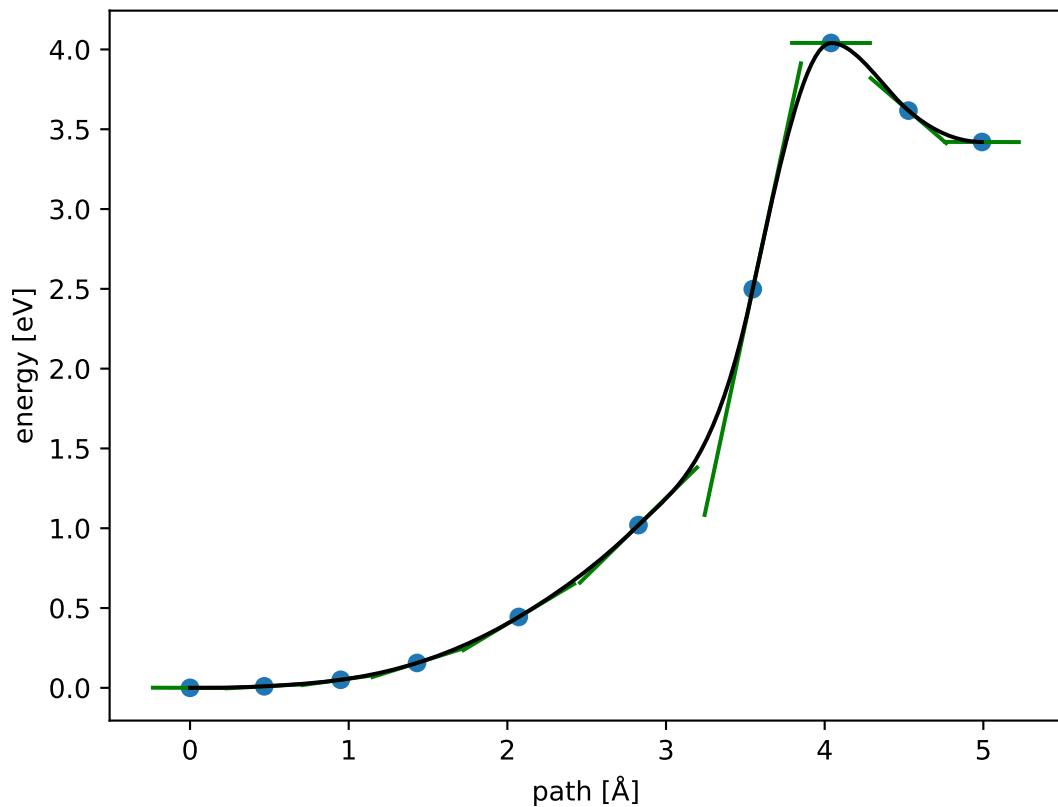
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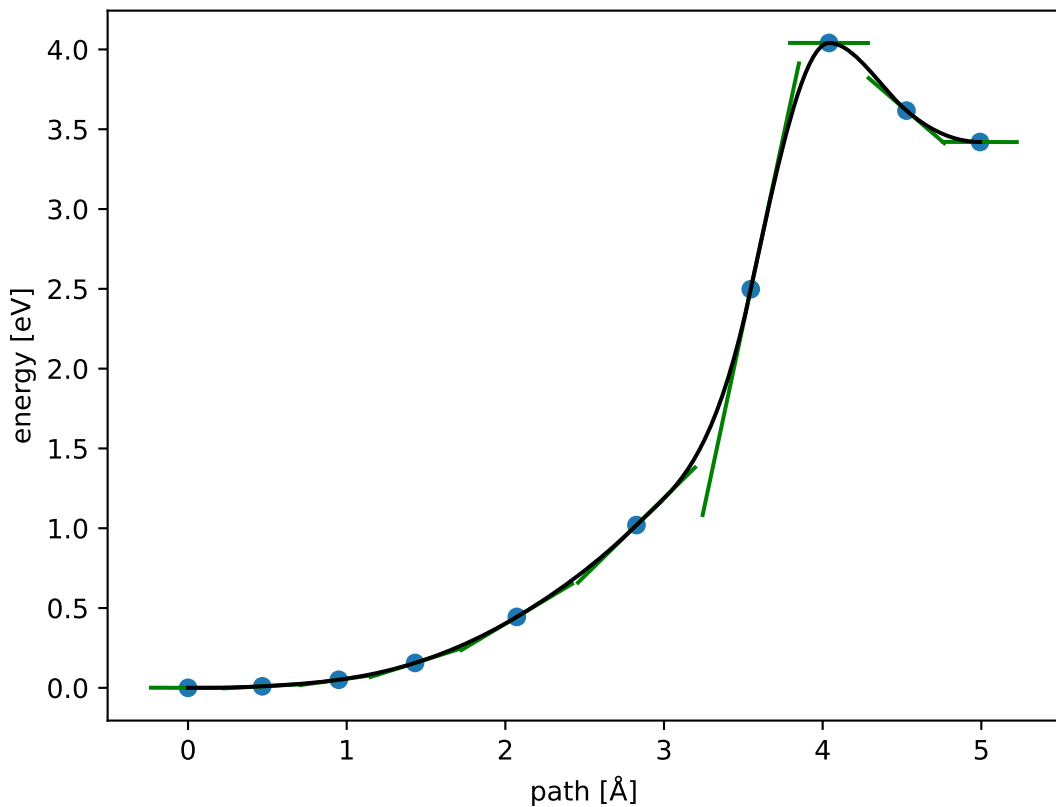
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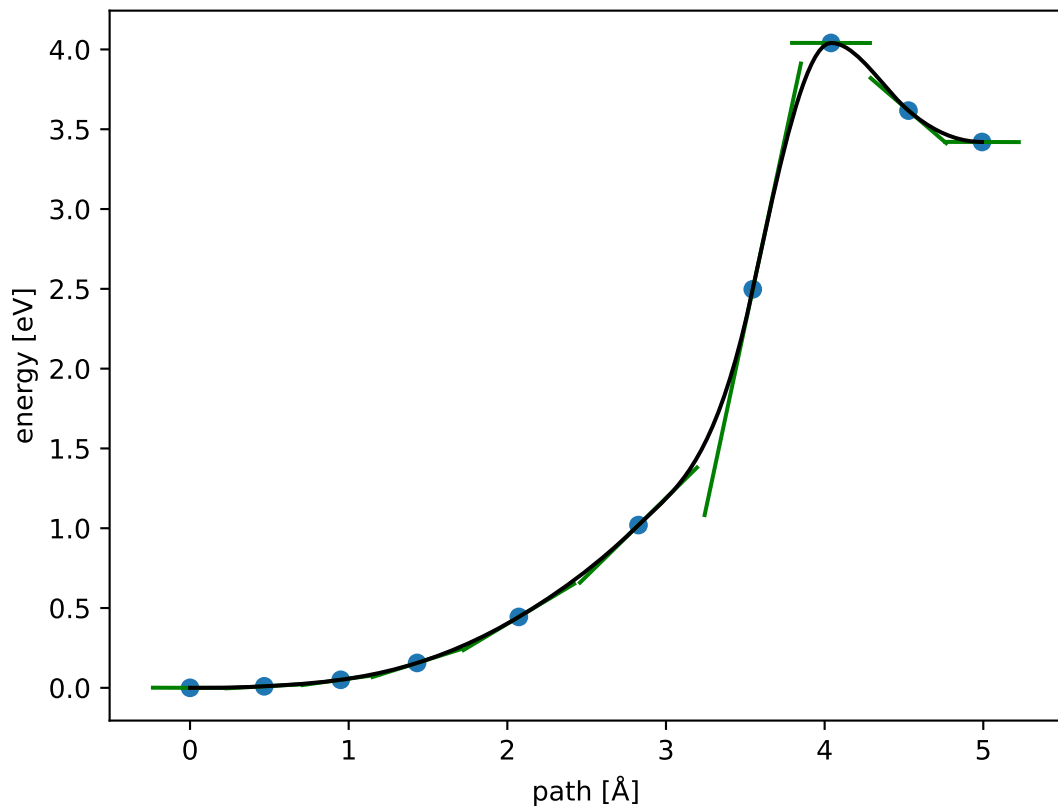
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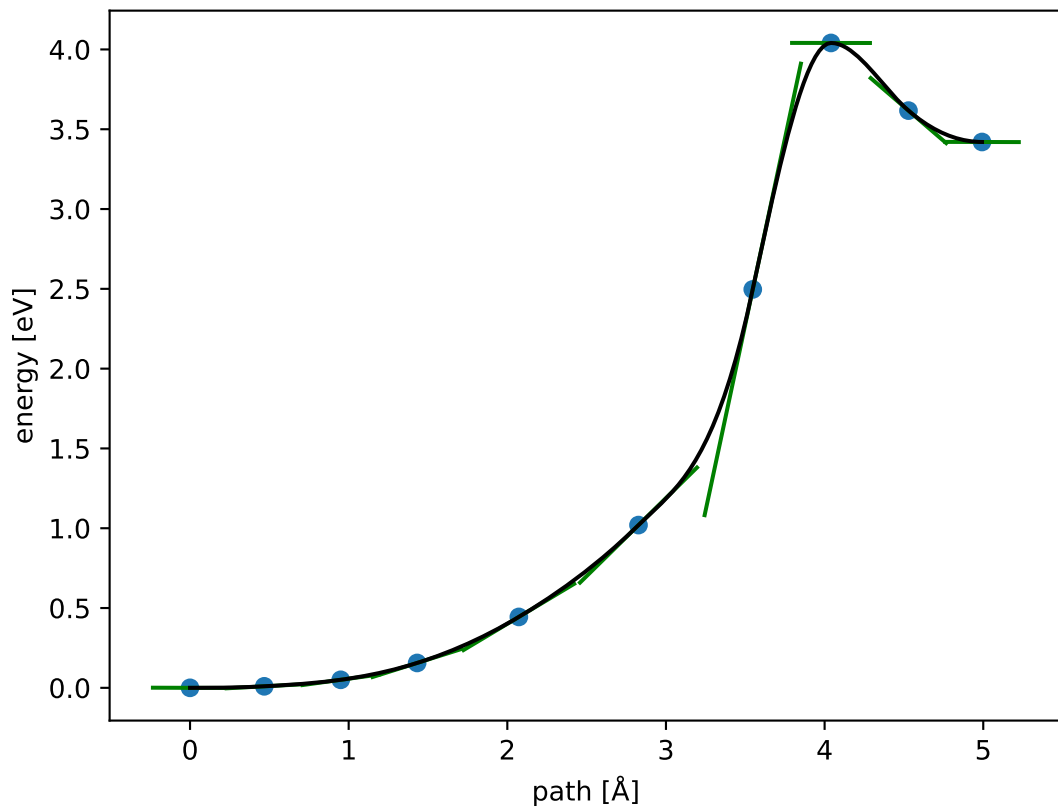
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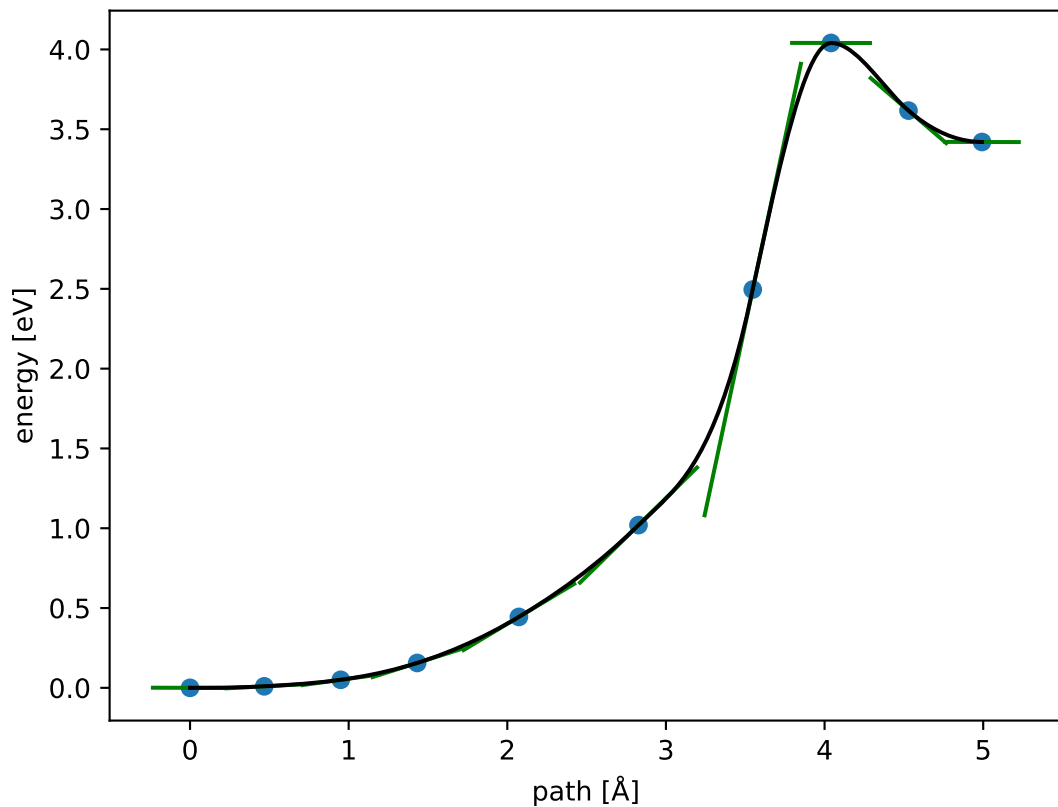
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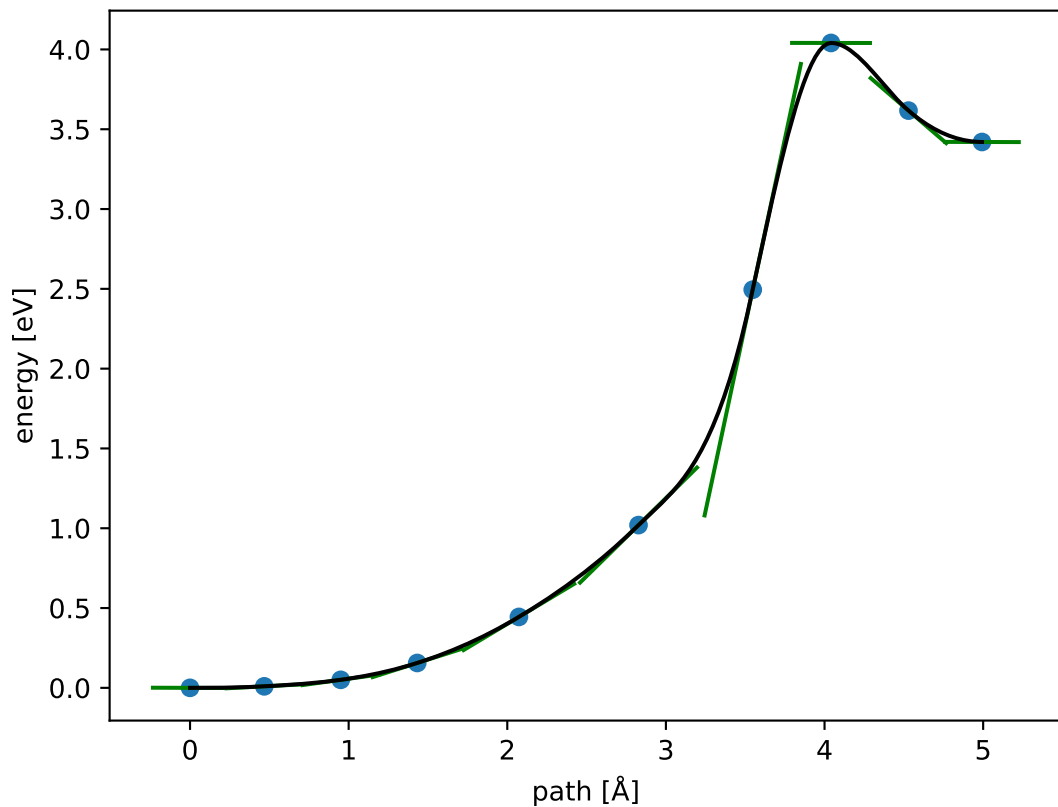


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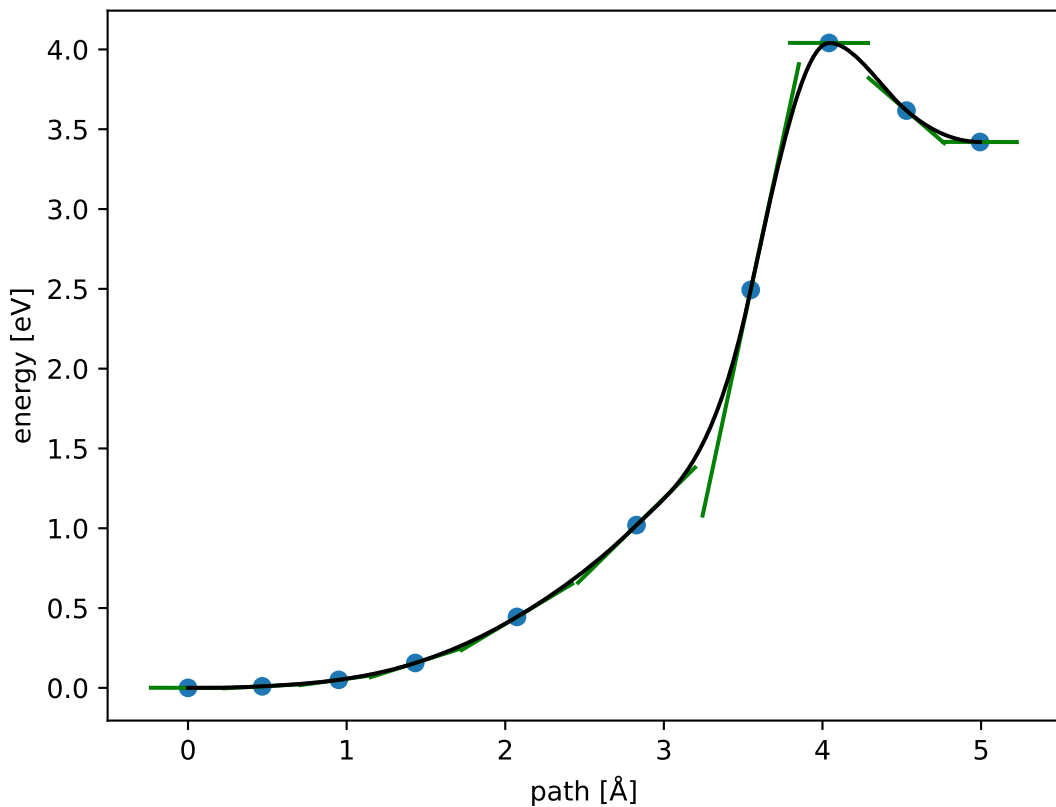




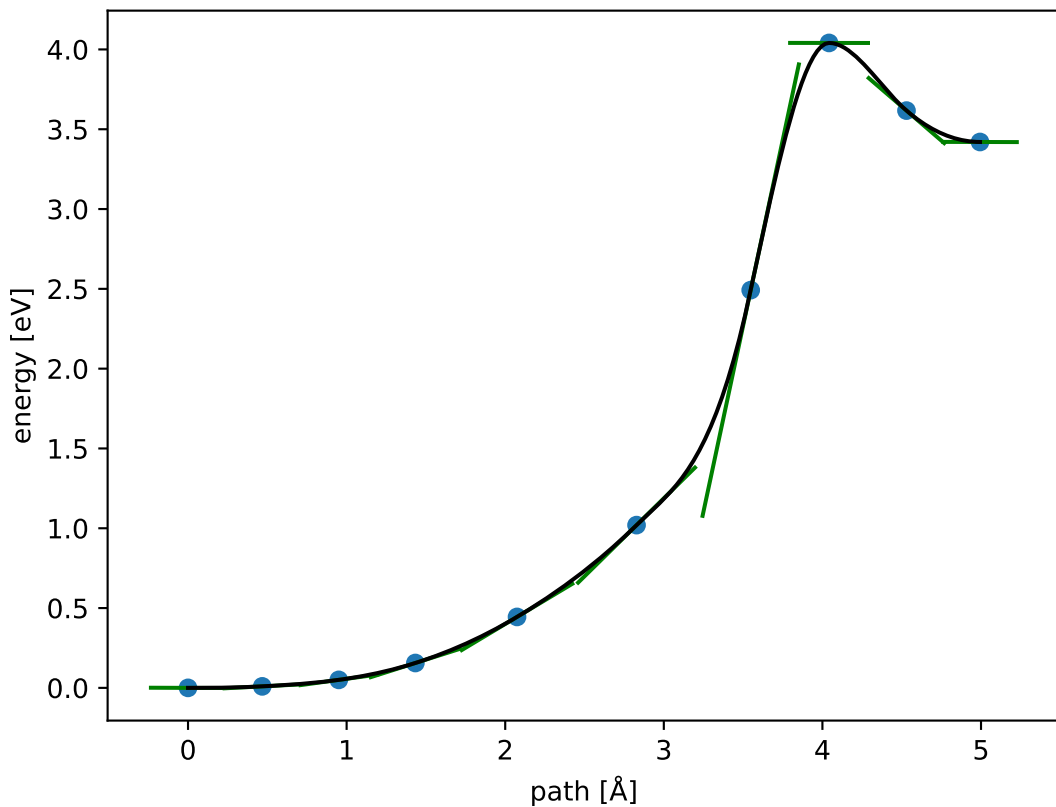
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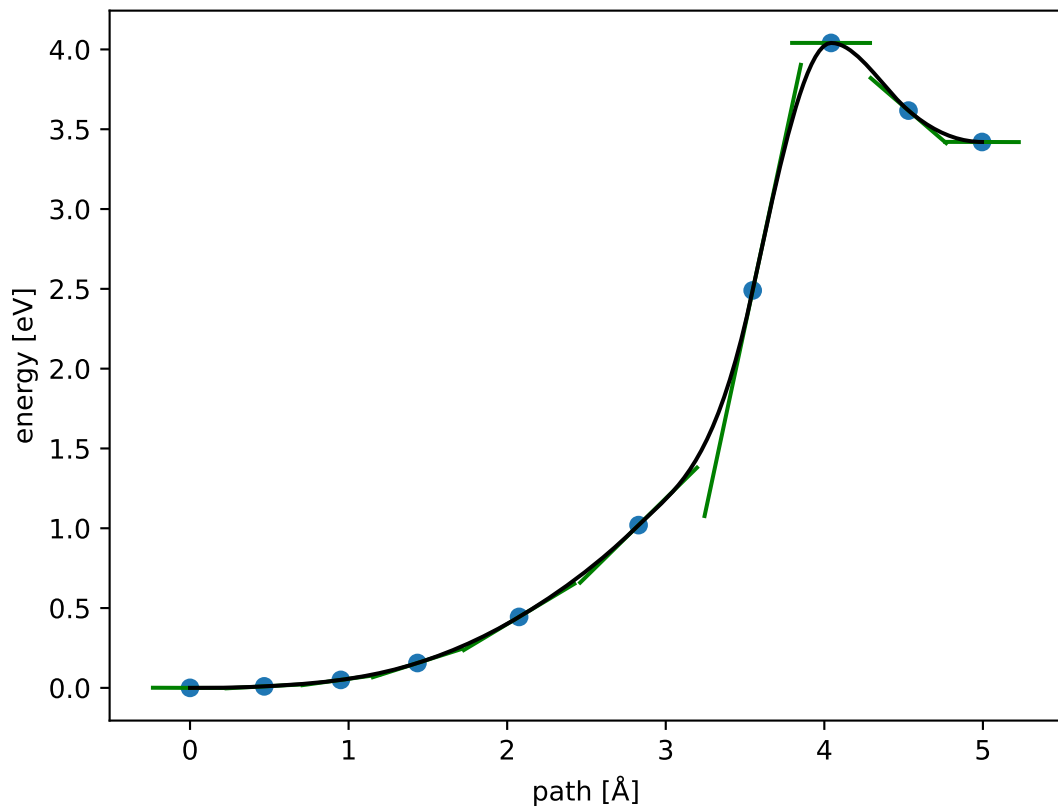
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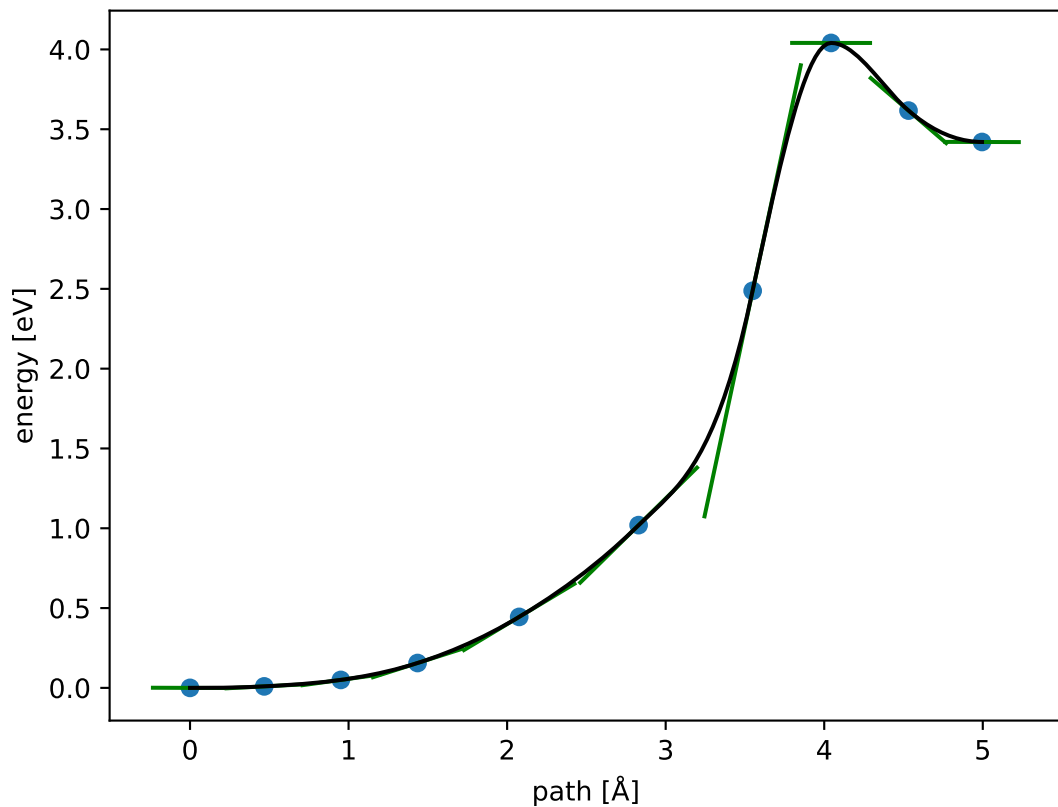
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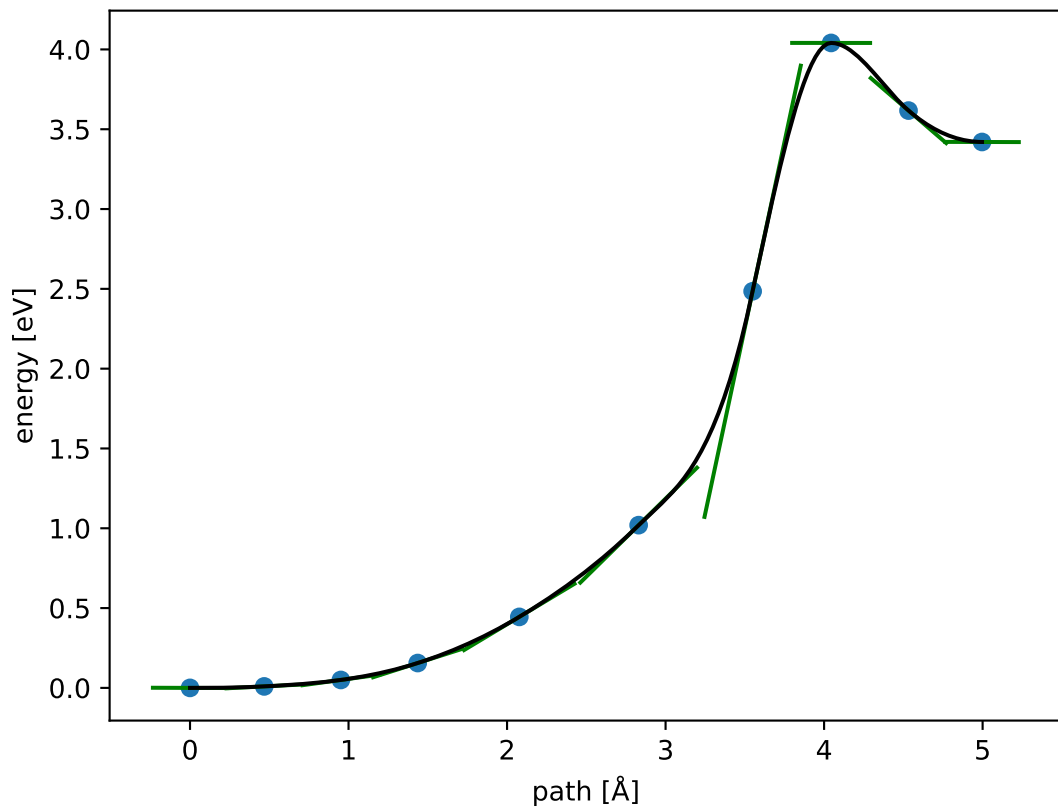
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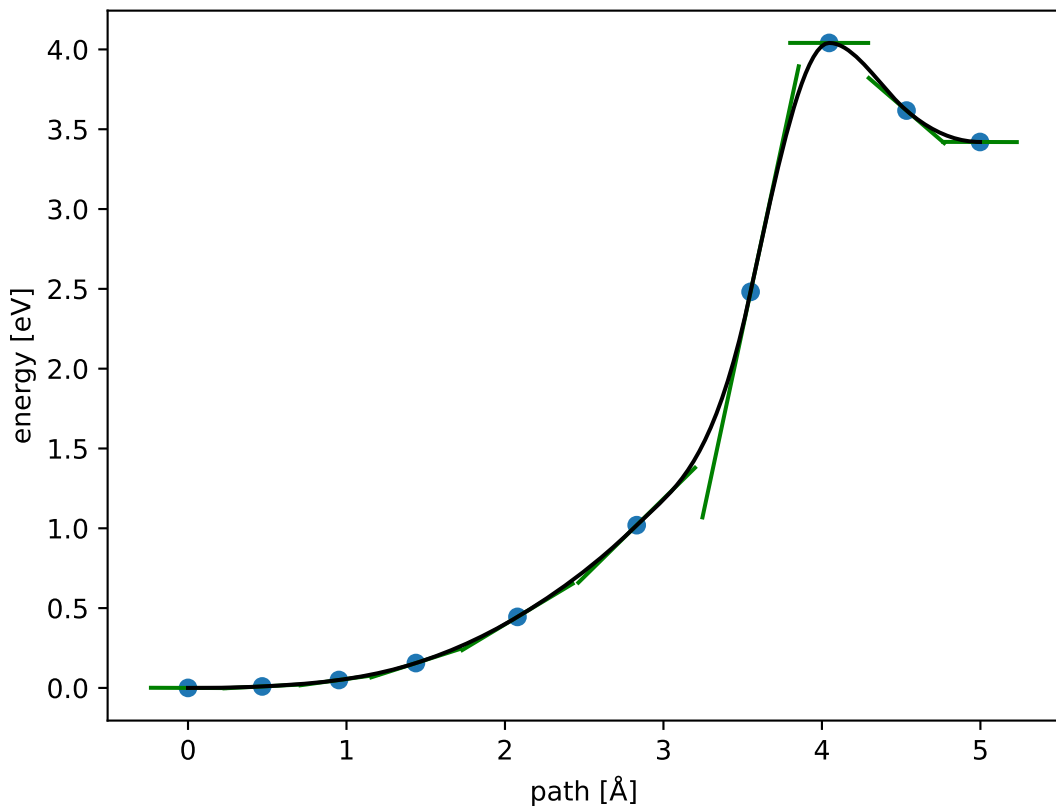
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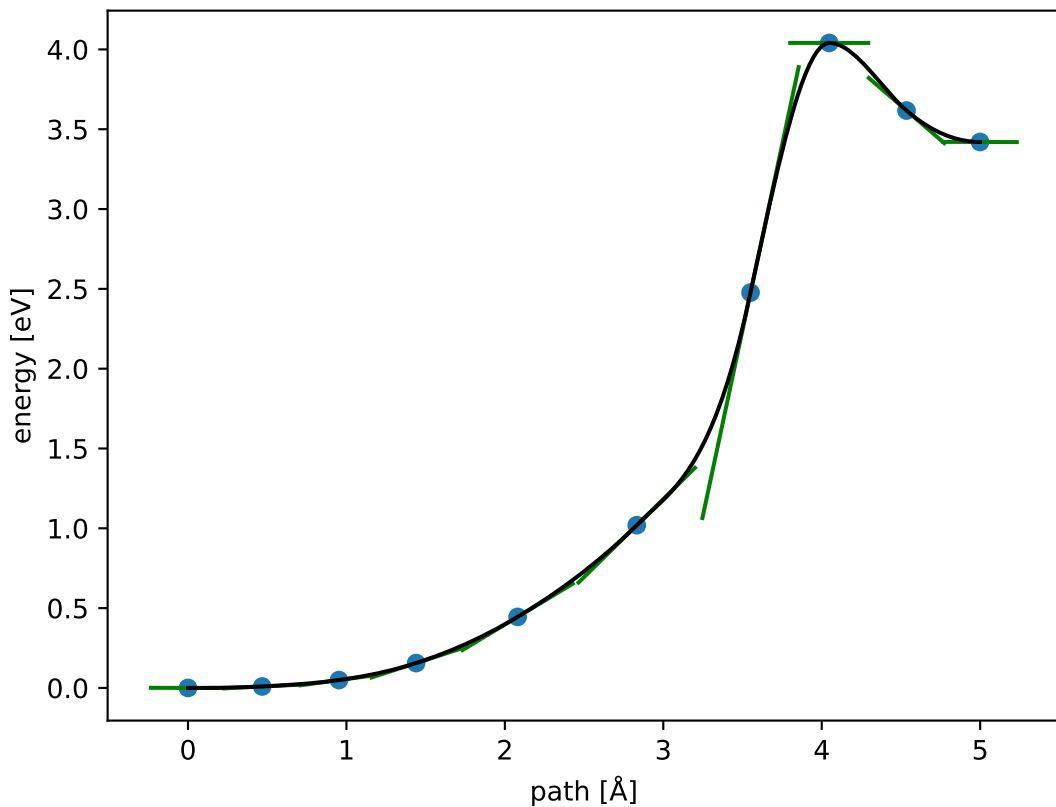
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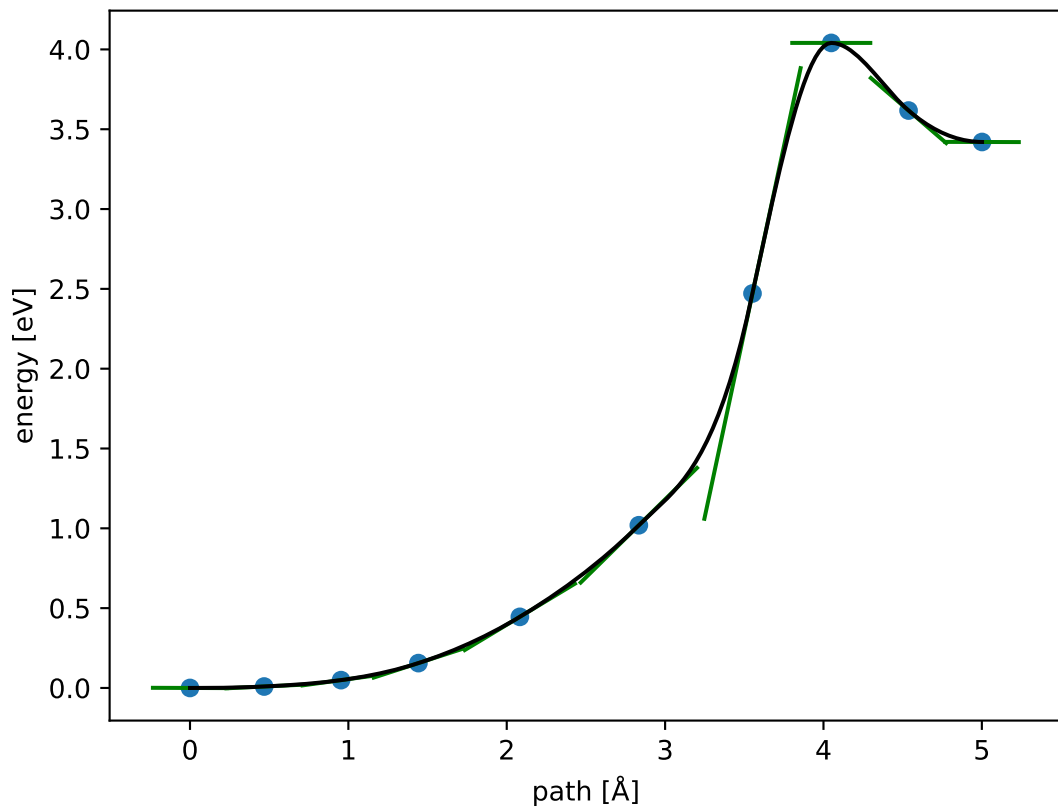


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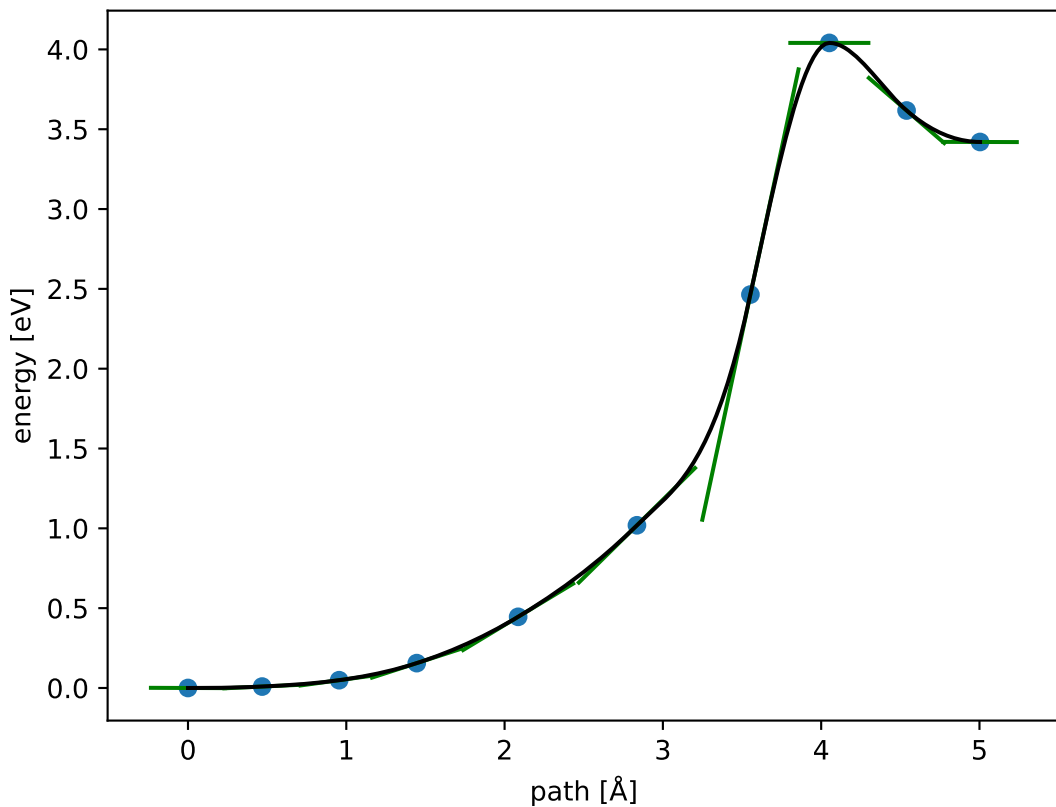




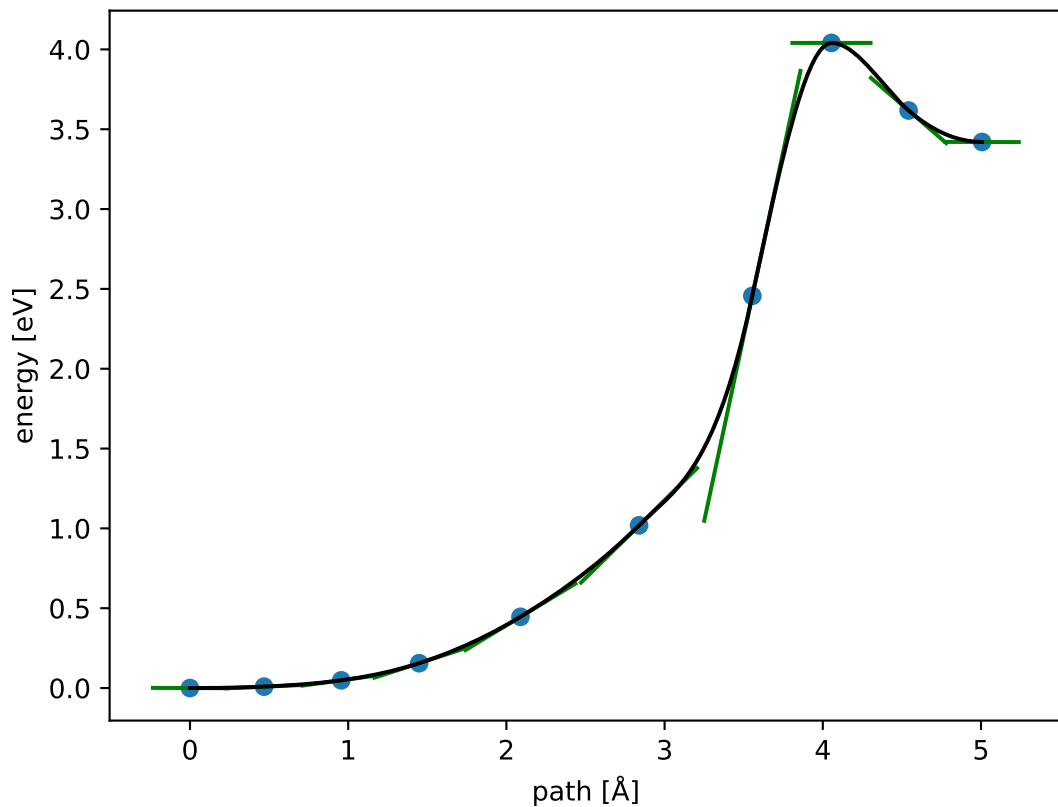
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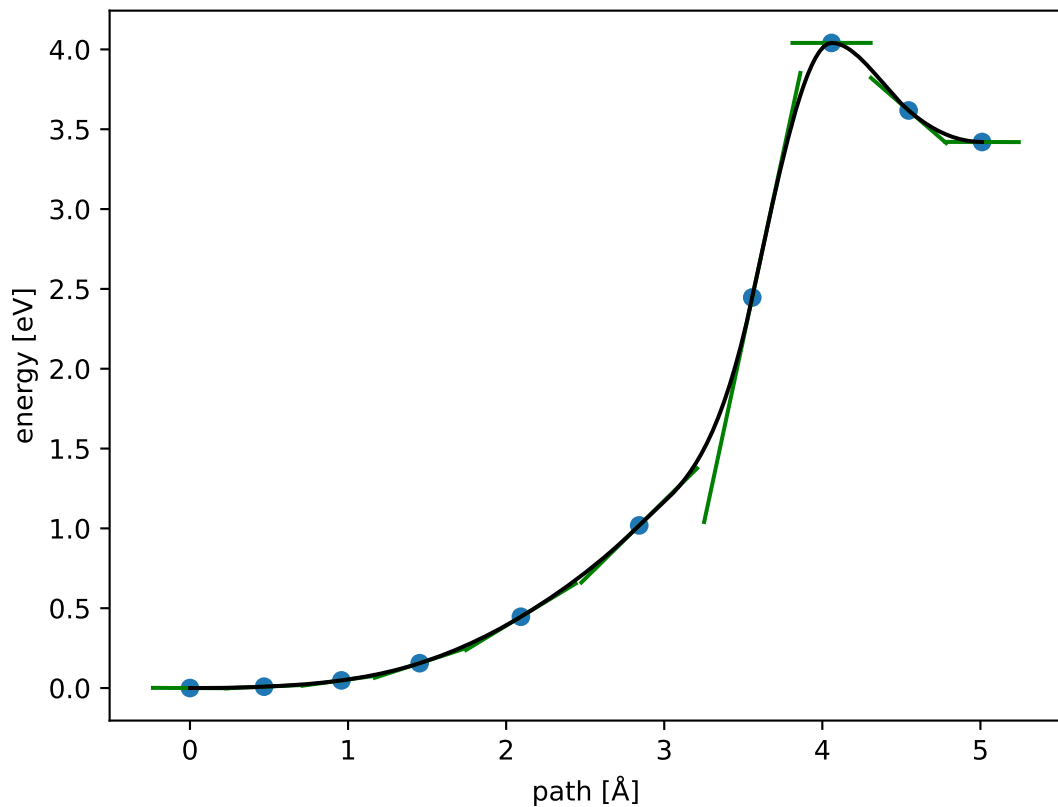
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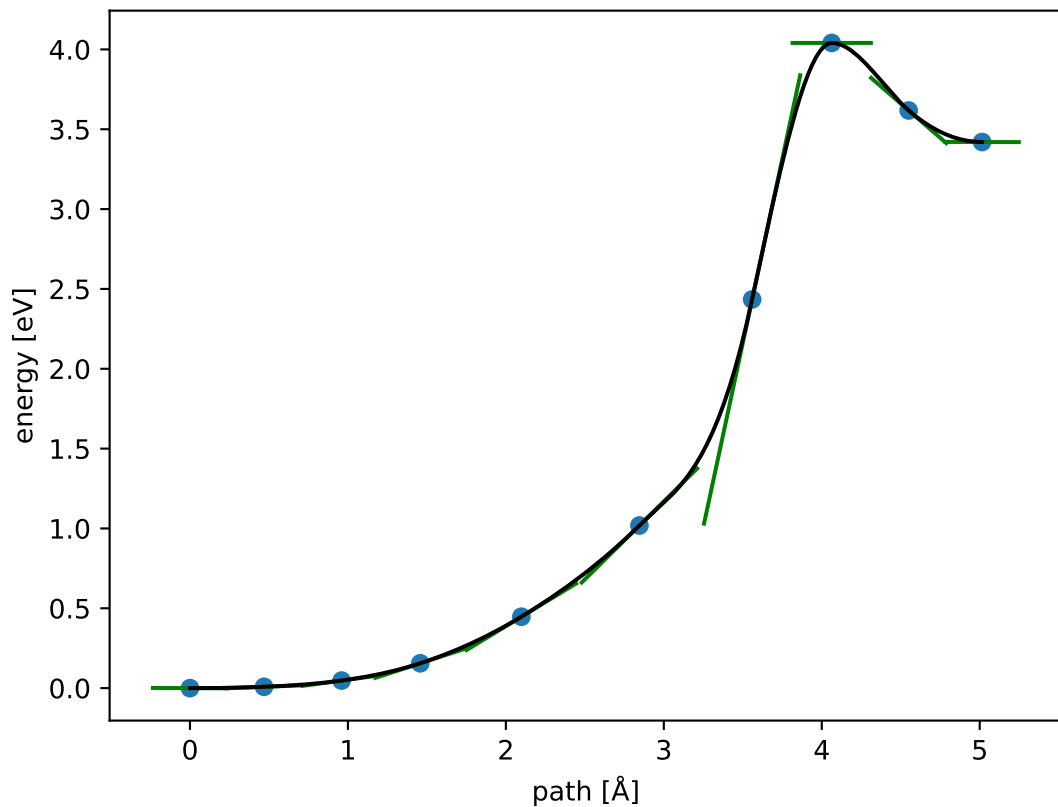
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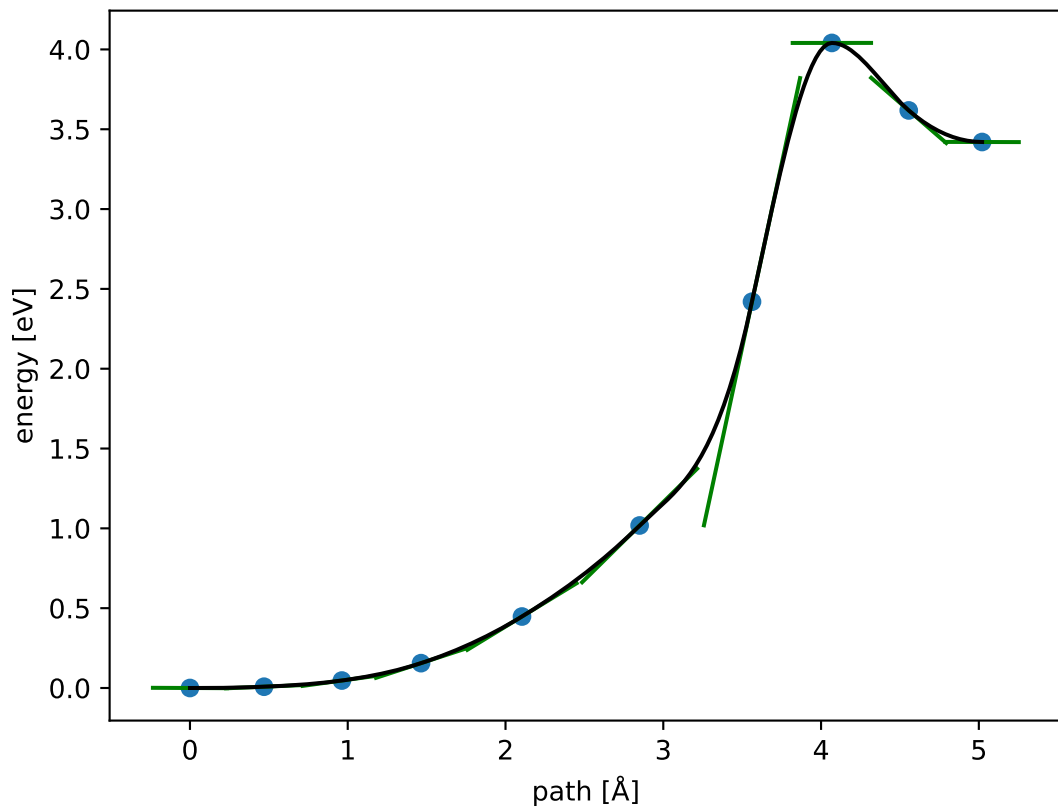
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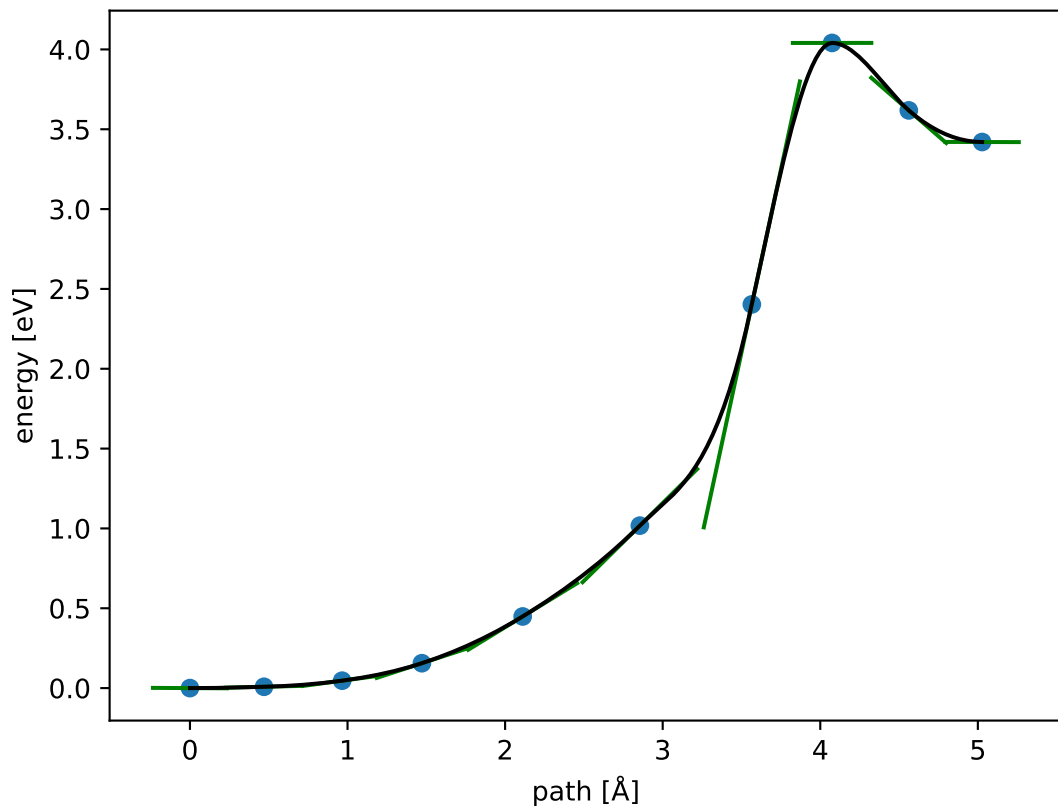
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