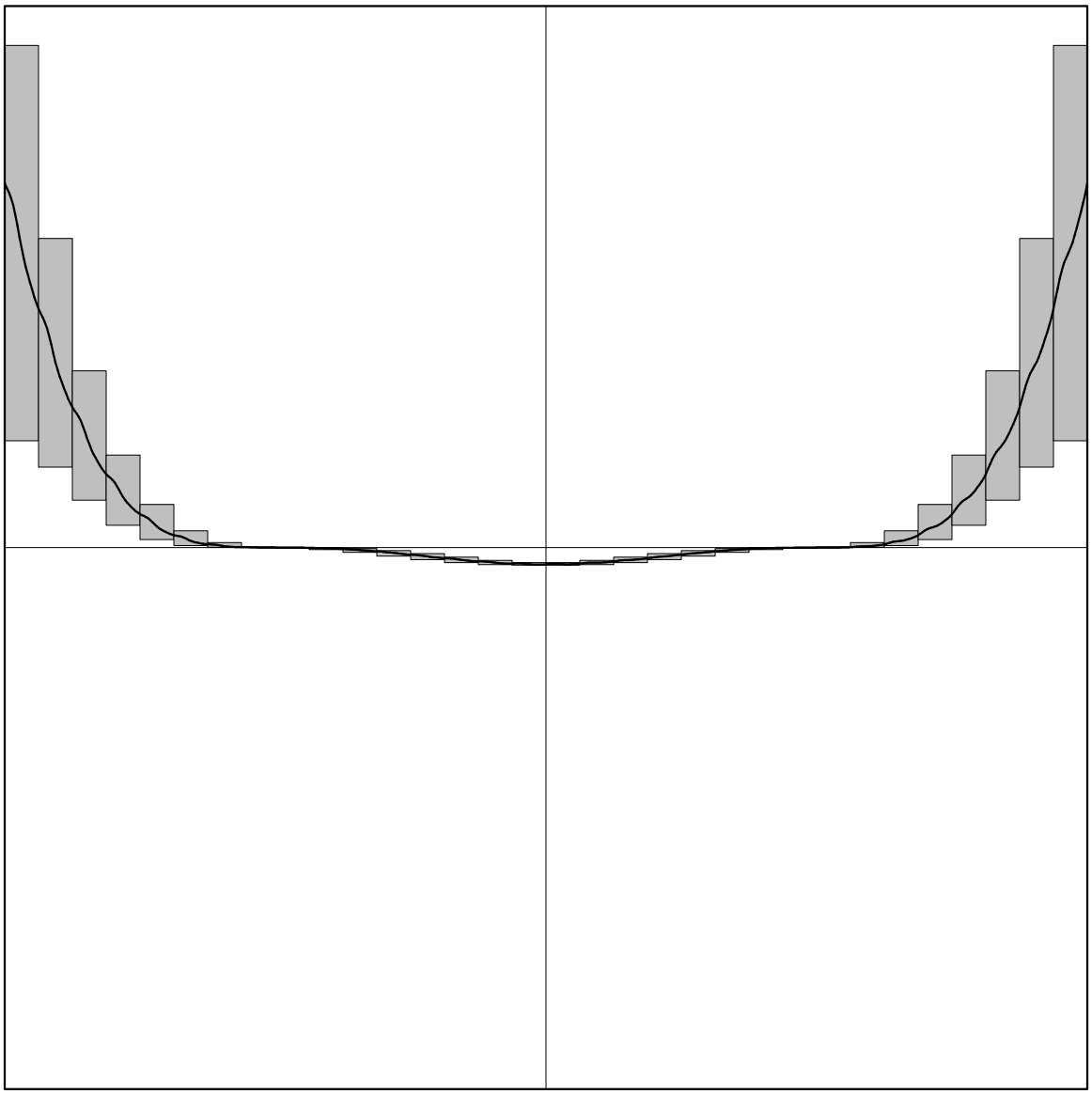
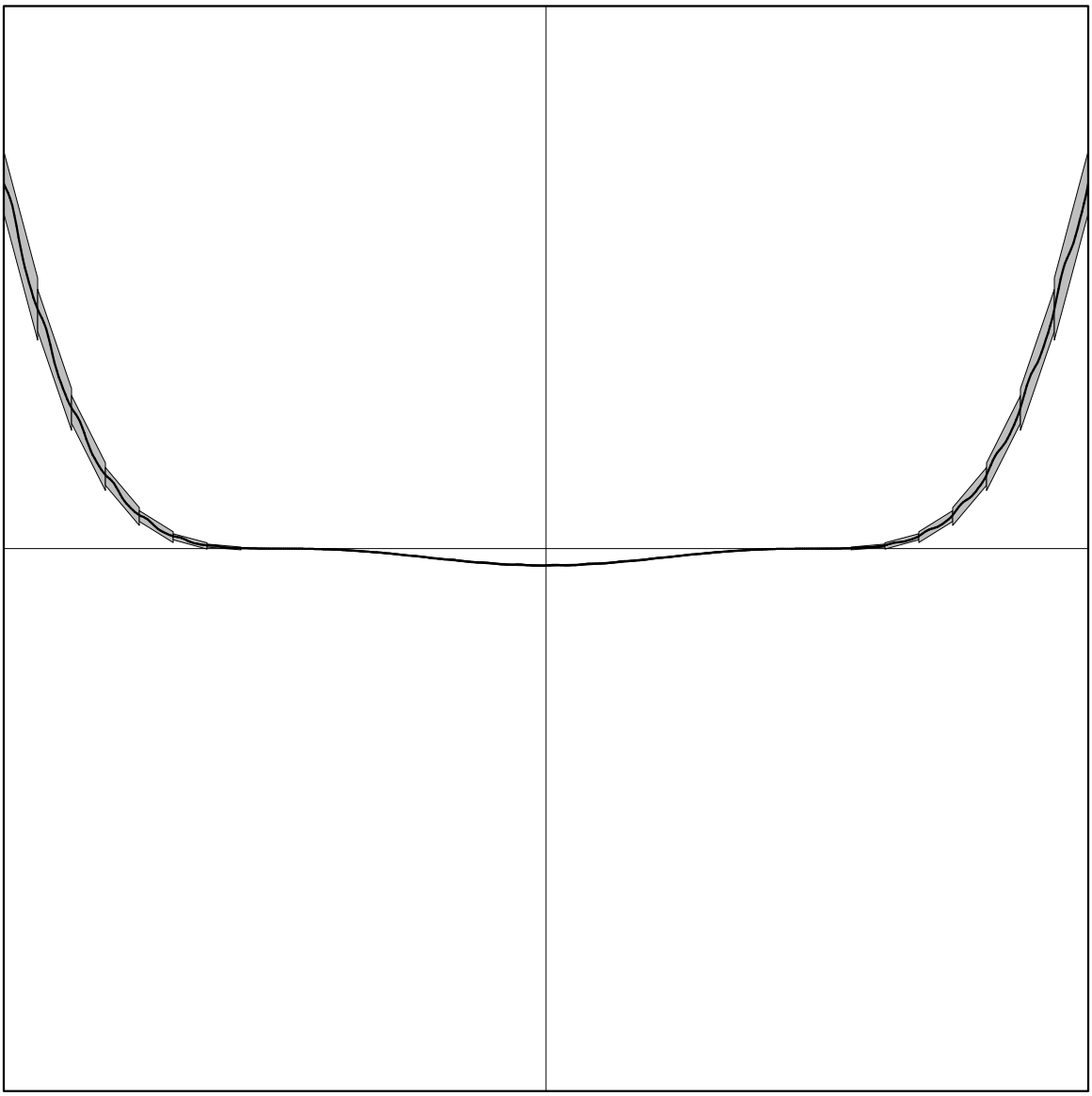


```
y = 1/32 +/- 1/32;
r2 = x^2 + y^2;
xy = x*y;
fa = (r^2 + xy - 1/4)^3;
fb = (r^2 - xy - 1/4)^3;
g = fa + fb - fa*fb

x in [-1.000000 _ 1.000000]  y in [-1.000000 _ 1.000000]  32 intervals

Ordinary interval arithmetic
```



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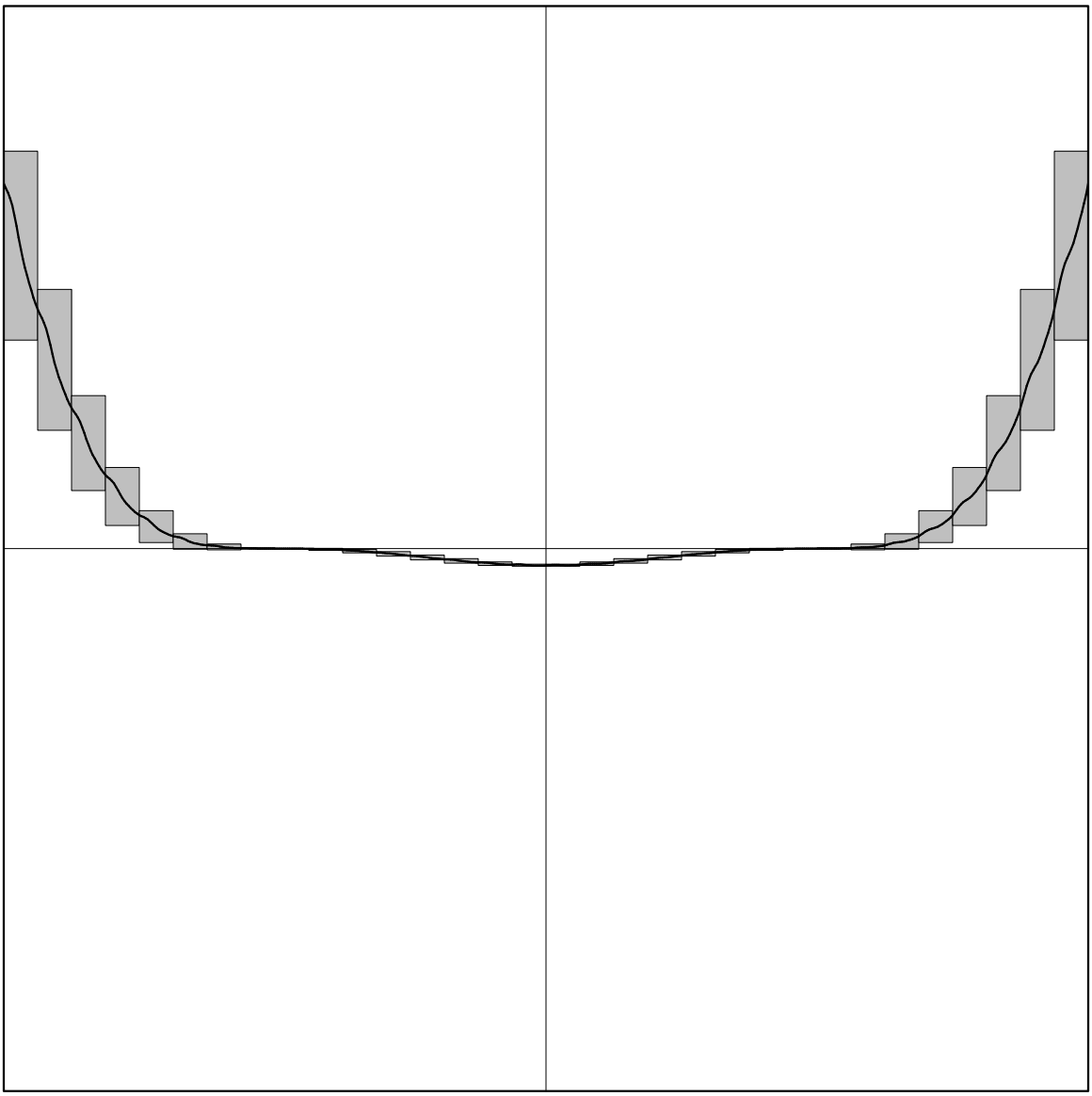
g = fa + fb - fa*fb

x in [-1.000000 _ 1.000000]  y in [-1.000000 _ 1.000000]  32 intervals

Affine arithmetic
```



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fa = (r^2 + xy - 1/4)^3;
fb = (r^2 - xy - 1/4)^3;
g = fa + fb - fa*fb

x in [-1.000000 _ 1.000000]  y in [-1.000000 _ 1.000000]  32 intervals

Affine arithmetic (converted to intervals)
```