



articles Q&A forums lounge

Best Square Root Method - Algorithm - Function (Precision VS Speed)



Mahmoud Hesham El-Magdoub, 15 Sep 2010

CPOL

Rate this:

★★★★★ 4.86 (51 votes)

Square Root Methods Fast Algorithm Speed Precision computational Quake3 Fast Square Root Function Fast Gaming

[Download source - 5.28 KB](#)

```
Speed of sqrt as a reference = 100
Precision of sqrt as a reference = 100

-----sqrt1-----
Speed = 300
Precision = 100

-----sqrt2-----
Speed = 300
Precision = 99.9099

-----sqrt3-----
Speed = 600
Precision = 97.9659

-----sqrt4-----
Speed = 46.1538
Precision = 100

-----sqrt5-----
Speed = 5.08475
Precision = 100

-----sqrt6-----
Speed = 300
Precision = 99.9998

-----sqrt7-----
Speed = 600
Precision = 97.9659

-----sqrt8-----
Speed = 54.5455
Precision = 100

-----sqrt9-----
Speed = 66.6667
Precision = 100

-----sqrt10-----
Speed = 27.2727
Precision = 100

-----sqrt11-----
Speed = 66.6667
Precision = 100

-----sqrt12-----
Speed = 42.8571
Precision = 99.5525
```


