

```
appVersion(4) = "0.99.6884.37264"
```

```
D(t, x, λ) := λ · x +  $\frac{1}{1+t^2}$  - λ · arctg(t)  AbsTol := 10-8  RelTol := 10-8
```

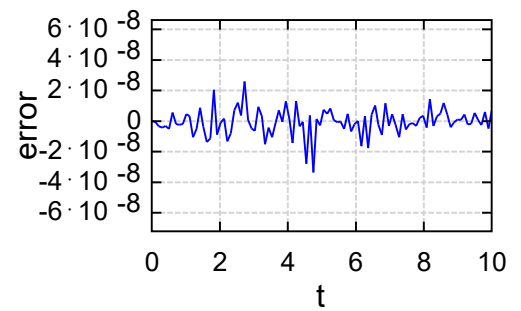
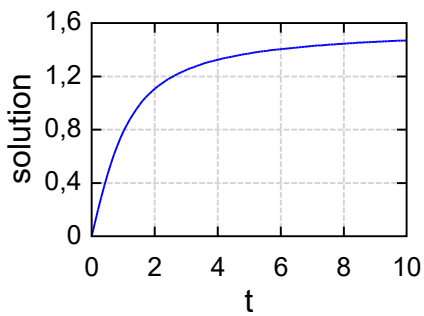
```
t0 := time(0)  x0 := 0  tmin := 0  tmax := 10  N := 100  λ := -100
```

```
res := dn_AdamsMoulton(x0, tmin, tmax, N-1, D)
```

```
time(0) - t0 = 125 MC
```

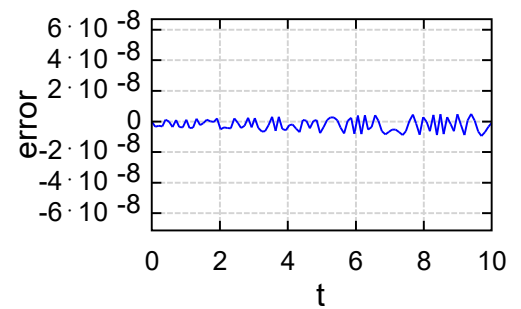
```
t := col(res, 1)   $\overrightarrow{y := \arctg(t)}$ 
```

```
err := col(res, 2) - y
```



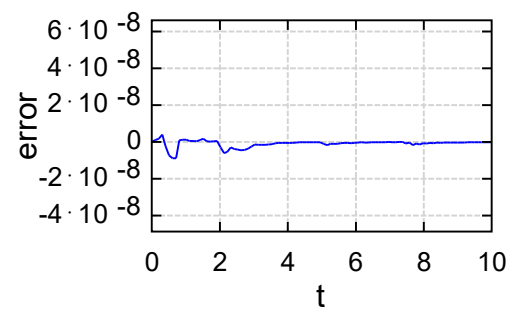
```
res := dn_ExplicitRK45(x0, tmin, tmax, N-1, D)
```

```
err := col(res, 2) - y
```



```
res := dn_GearsBDF(x0, tmin, tmax, N-1, D)
```

```
err := col(res, 2) - y
```



```
res := dn_ImplicitRK5(x0, tmin, tmax, N-1, D)
```

```
err := col(res, 2) - y
```

