Konvergence mocninne rady pomoci podiloveho kriteria:

```
> rada:=n->x^n/(n^2+1);
```

$$rada := n \to \frac{x^n}{n^2+1}$$

```
> podil:=simplify(rada(n+1)/rada(n));
```

$$podil := \frac{x\,(n^2+1)}{n^2+2\,n+2}$$

```
> konvergence:=limit(podil,n=infinity);
```

$$konvergence := x$$

```
> intervaly:=[solve(abs(konvergence)<1,x)];
```

$$intervaly := [\,\mathrm{RealRange}(\mathrm{Open}(-1), \mathrm{Open}(1))\,]$$

```
> intervaly[1];
```

$$\mathrm{RealRange}(\mathrm{Open}(-1), \mathrm{Open}(1))$$

```
>
>
>
> Credit:= "I&C, p. 122" ;
```

$$Credit := \text{"I\&C, p. 122"}$$

```
>
>
>
```