

Function.prototype.toString

updates since last time

Function.prototype.toString updates since last time

- support async functions and async generators (all the method / expression / declaration variants)
- added HasSourceTextAvailable host-defined abstract operation, as requested by committee in January
- allow for anonymous well-known intrinsics to omit name in NativeFunction representation
- allow PropertyName in NativeFunction name position
- [bugfix] pass grammar flags ([~Yield, ~Async]) to FormalParameters production in NativeFunction

Appendix

HostHasSourceTextAvailable (func)

- engine has the option to synthesise a NativeFunction instead of preserving source text
- can decide to preserve source text on a per-function basis
- must return a consistent result
- must complete normally

anonymous well-known intrinsics

```
const ThrowTypeError = (function() {  
  "use strict";  
  return Object.getOwnPropertyDescriptor(  
    arguments, "callee").get;  
})();
```

```
ThrowTypeError.toString();  
// "function () { [native code] }"
```

PropertyName in NativeFunction name position

```
const match = RegExp.prototype[Symbol.match];  
match.toString();  
// "function [Symbol.match]() { [native code] }"
```

```
const species = Object.getOwnPropertyDescriptor(  
  RegExp, Symbol.species).get;  
species.toString();  
// "function get [Symbol.species]() { [native code] }"
```

