\ll C++ \gg **Cuda-Executer** Headers Headers +names(): const char** +size(): int Kompilierungsstufen +insert(string const &path): void +insert(Header) : void Source -kernel string: string 0...11...* Header +program(const string &kernel name): Program - path : string **Options** -_content : string * create Program -m options : vector<string> +name(): const char* -m chOptions : vector<const char*> +length(): size t -m template parameters: vector<string> +content() : const char * -kernel name: string +insert(const string &op) : void -m name expression: string use +insert(const string &name, const string &value): void -m log: string 1 0...* template < typename T >-m prog:shared ptr<nvrtcProgram> +insertOptions(const T &t): void Args $template < typename \ T, \ typename... \ TS>$ $template < typename \ T, \ typename... \ TS>$ +insertOptions(const T &t, const TS &... ts): void +instantiate(T type, TS... types) : &Program KernelArgs +options() : const char ** +numOptions(): auto -m chArgs : vector<const void *> +upload(): float create +download(): float Device 1 +content() : const void ** Kernel -m minor: int +size(): size t $-m_ptx: shared_ptr < char[] >$ -m major: int 1...* -m demangled name: string -m name: string -m grid: dim3 -m device : CUdevice KernelArg -m block: dim3 use -m memory: size t -m context : CUcontext 0...* -m hdata : const void * +minor(): int -m module : CUmodule -m size : const size t +major(): int -m kernel: CUfunction -m ddata : CUdeviceptr +name(): string -m download : const bool +configure(dim3 grid, dim3 block): &Kernel +get(): CUdevice -m copy : const bool +launch(vector<KernelArg> program args, Device device) : KernelTime +total memory(): size t -m upload : const bool -set device properties : void +content(): void* +deviceptr() : CUdeviceptr +upload(): void +download(): void +size(): const size t