Soft Cap:

10k (icy tempest boost applies to this for melee)

Bleeds not affected by:

Prayers
Ults (minus meta)
ZGS
Berserker Fury relic
Precise, equilibrium
Crits

Include ful arrows with prayer mod for range

Speed Multipliers

Fastest: 1, 1 Fast: 1.25, (12.25 / 9.6) Average: 1.5, (14.9 / 9.6)

Crit Cap:

12k w/o Grim, 15k w/ Multiply by smoke cloud based on style & icy tempest here as well

Bleeds affected by:

Equipment damage bonus
Visible boosts
Vuln
Zerk style auras (invisible boost negated under ult)
Mahjarrat and dark magic (does work with db ult)
Scrims
Wen arrows icy precision

Weapon Handedness

2H: 1.5, 3.75 MH: 1, 2.5 OH: .5, 1.25

Weapon Damage

RoundDown(9.6 * SpeedMultipliersColumn2 * damage tier * WeaponHandednessColumn1)

Skill Bonus

Round((visible boosted cmb lvl * WeaponHandednessColumn2 - 1) * SpeedMultipliersColumn1)

Combat Style Bonus

Round(SpeedMultipliersColumn2 * Equipped Bonus * WeaponHandednessColumn1)

Bleed Inclusive

*set bleedexclusive to 1 to start

(1 + PocketDamageIncrease)

*
(1 + vuln increase)

*
Aura modifier

Auto Damage

WeaponDamage + Skill Bonus + Combat Style Bonus

If using hexhunter or equivalent, multiply by value (1.125 or 1.175 depending on if enchantment is unlocked)

RoundDown

Ability Damage

RoundDown(Damage Tier * 9.6 * WeaponHandednessColumn1)

RoundDown(BoostedLevel * WeaponHandednessColumn2)

RoundDown(Equipped Bonus * WeaponHandednessColumn1)

If using hexhunter or equivalent, multiply by value (1.125 or 1.175 depending on if enchantment is unlocked)

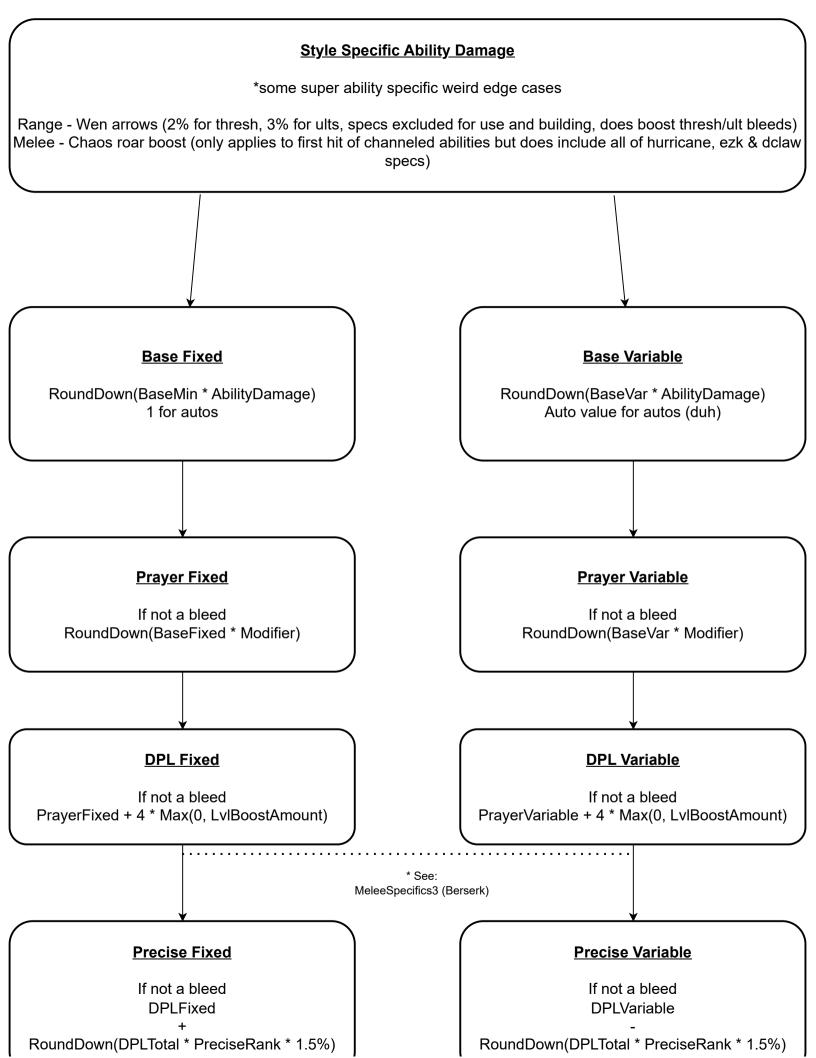
RoundDown

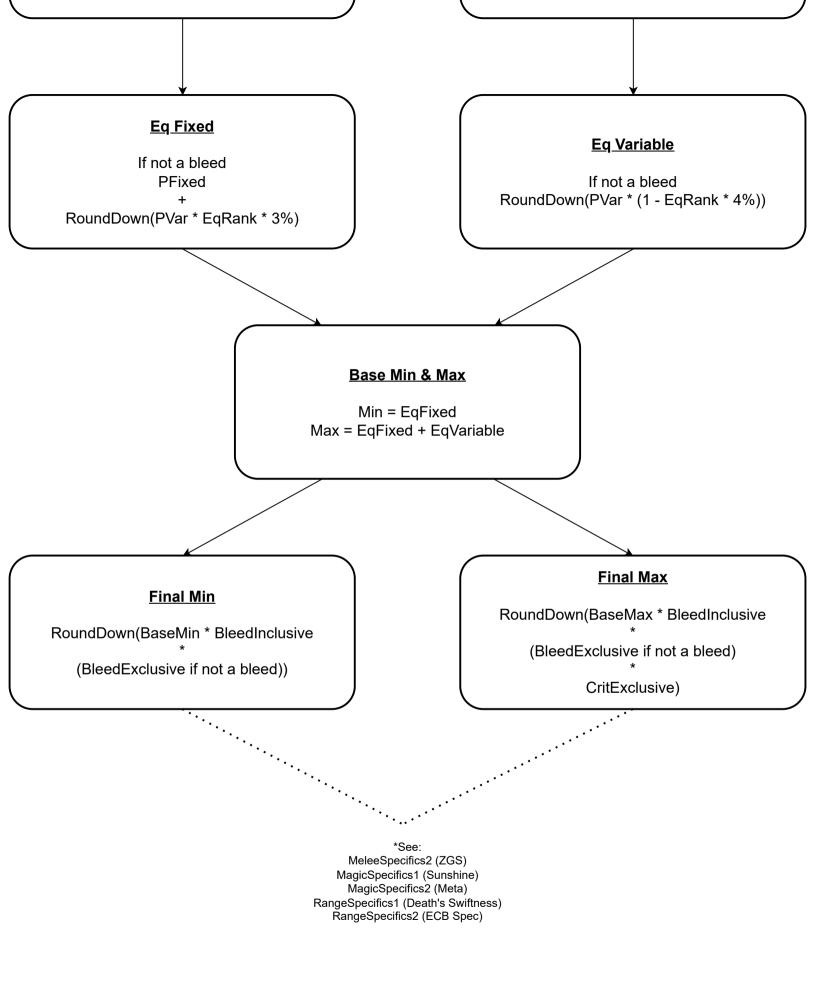
Crit Exclusive

*Maga arit ingragge only applied to shappel chilities

mage chi increase only applies to charile abilities

smoke cloud crit damage increase * combat style ring crit increase





2 - ZGS Min

If not a bleed RoundDown(FinalMin * 1.25)

2 - **ZGS Max**

If not a bleed RoundDown(FinalMax * 1.25)

3 - Berserker Flow

Berserk Mod Fixed

Aura = 1.1 for zerk, 1 otherwise

If bleed RoundDown(DPLFixed / Aura)

If not a bleed RoundDown(DPLFixed * 2 / Aura)

Berserk Mod Var

Aura = 1.1 for zerk, 1 otherwise

If bleed RoundDown(DPLVar / Aura)

If not a bleed RoundDown(DPLVar * 2 / Aura)

Rest of the process continues as normal starting with Precise

1 - Sunshine Flow

Sunshine Final Min

Aura = 1.1 if mani, 1 otherwise

If bleed RoundDown(FinalMin / Aura)

If not a bleed RoundDown(FinalMin / Aura * 1.5)

Sunshine Final Max

Aura = 1.1 if mani, 1 otherwise

If bleed RoundDown(FinalMax / Aura)

If not a bleed RoundDown(FinalMax / Aura * 1.5)

2 - Meta Flow

Meta Final Min

Aura = 1.1 if mani, 1 otherwise

RoundDown(FinalMin / Aura * 1.625)

Meta Final Max

Aura = 1.1 if mani, 1 otherwise

RoundDown(FinalMax / Aura * 1.625)

1 - Death's Swiftness

DS Final Min

Aura = 1.1 if reckless, 1 otherwise

If bleed RoundDown(FinalMin / Aura)

If not a bleed RoundDown(FinalMin / Aura * 1.5)

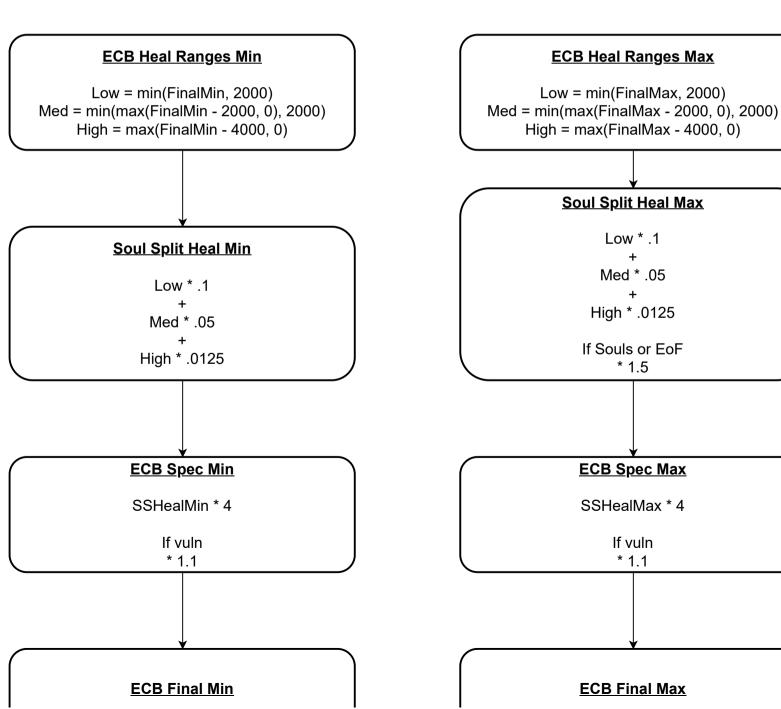
DS Final Max

Aura = 1.1 if reckless, 1 otherwise

If bleed RoundDown(FinalMax / Aura)

If not a bleed
RoundDown(FinalMax / Aura * 1.5)

2 - ECB Spec



3 - ECB Spec inside DS

Run through normal DS calculations

Run through normal ECB calculations using DS Final Min/Max as starting points

Melee Abilities

Hurricane 2nd Hit

Steps modified are DPL & Precise

H1 = hit one H2 = hit two

DPL Fixed

H2PrayerFixed

10 * H2PrayerVar / H1PrayerVar * Max(0, LevelBoostAmount)

Precise Fixed

H2DPLFixed

RoundDown((1 + H1DPLVar / H1DPLFixed) * H2DPLFixed * PreciseRank * 1.5%)

DPL Variable

H2PrayerVar

2 * Max(0, LevelBoostAmount)

Precise Variable

H2DPLVar / H1DPLVar * H1PreciseVar

Magic Abilities

Smoke Tendrils All Hits

Step modified is FinalMin because this ability always crits

Final Min

RoundDown(BaseMin * BleedInclusive * BleedExclusive if not a bleed * CritExclusive)

Range Abilities

Greater Ricochet

Rico has 3 parts
Initial single hit of 20-100%
Second 2 hits of 10-50% each
Third (with caroming up to 4) of 5-15% each

Hits are appended with 1, 2, or 3 respectively here

Only unique aspect is on the third group of hits

DPL Fixed

Min(PrayerFixed3 + 4 * Max(0, LevelBoostAmount), RoundDown(DPLFixed1 / 4))

DPL Variable

Min(PrayerVar3 + 4 * Max(0, LevelBoostAmount), RoundDown(DPLVariable1 / 4))

Snapshot

Precise step modified for 2nd hit

Precise Fixed

PreciseFixed1

Precise Variable

RoundDown(PreciseFixed2 * 1.1)

Shadow Tendrils

2-5 hits
First 2 guaranteed
Next 3 are 90%, 80%, and 70% resp.
So roughly 50% to do all 5

DPL, Prec, Eq steps modified

DPL Fixed

PrayerFixed + 8 * Max(0, LevelBoostAmount)

Precise Fixed

DPLFixed

DPL Variable

PrayerVar

Precise Variable

DPLVar

